

online Classes

4.5.6.7th Grade Adviser



ICT Teacher

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خبرة اكثر من 15 سنة في تدريس مادة التكنولوجيا في المدارس الحكومي والخاطة للغان والمدارس الرسمية للغان



بدء الحجز للعام الدراسي 2024-2025 مادة التكنولوجيا للمدارس العربي مادة الـCT للمدارس التجريبي واللغات للحجز والتواطل 01004767201



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اونلاین عن طریق تطبیق زووم واوفلاین بمحافظة بنی سویف





CHALLENGE EVERYTHING

رحلة الطلاب إلى قمة الترتيب

كورسات المان الماضات التعارف المادة ا

للمفوف الرابع والخامس والسادس الابتدائي والأول الأعدادي للمدارس العربي واللغان © 01004767201











Role of Information and Communication Technology (ICT) in Our Lives



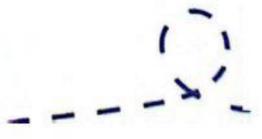
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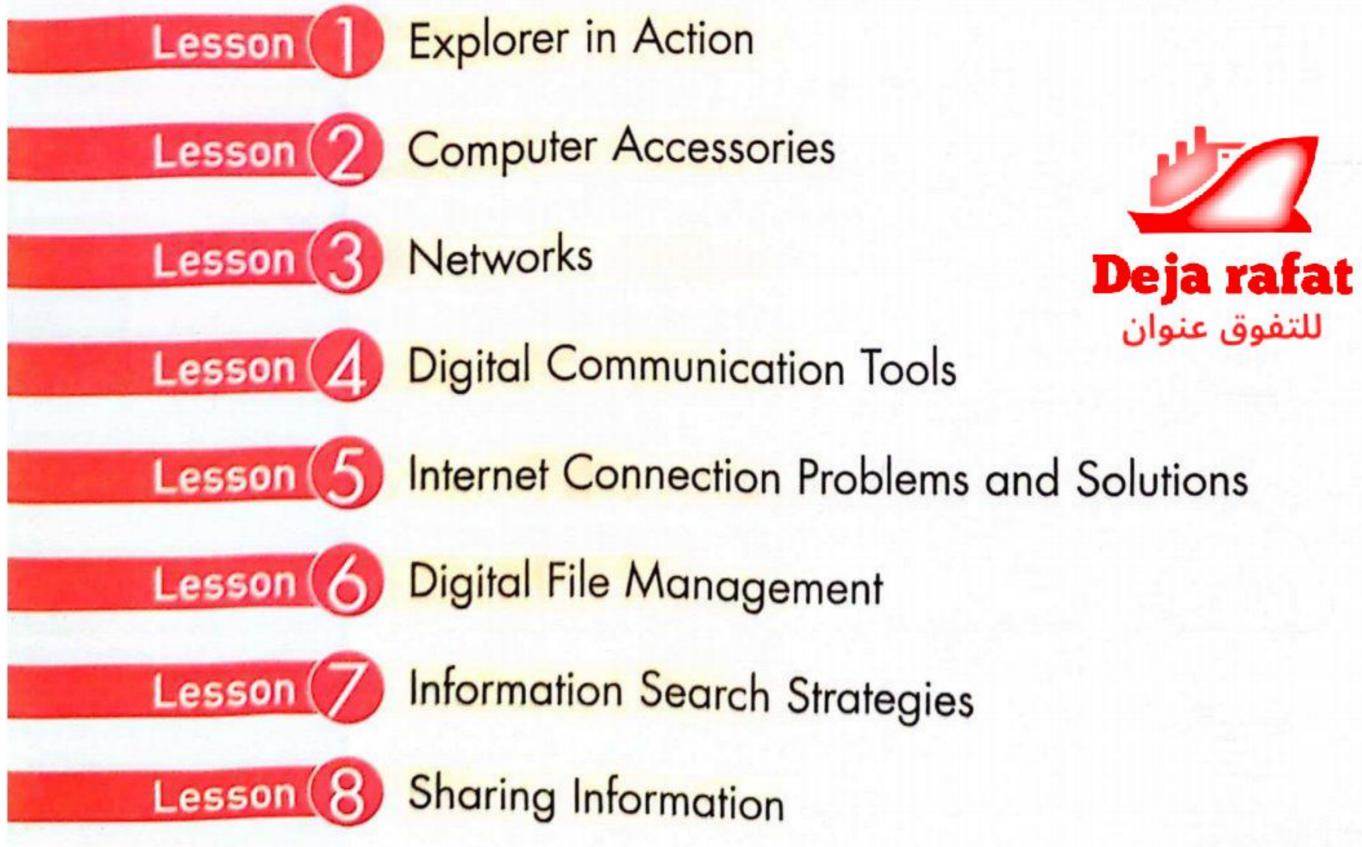


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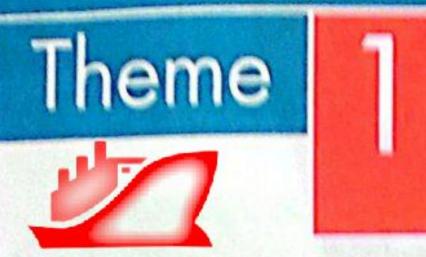
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Scope and Sequence



Role of Information and Communication Technology (ICT) in Our Lives

Essential Question: How can we use technology effectively



Lesson	Topics		Skills Integration	
		Life Skills	Values	issues and Challenges
LESSON I Explorer in Action	How archaeologists use ICT to share information Different ways to record information	Learning to do: Decision-making	Academic values: Appreciation of technology	Globalization issues: Technological awareness
LESSON 2 Computer Accessories	Basic computer hardware concepts Common computer problems	Learning to do: Decision-making	Academic values: Perseverance	Globalization issues; Technological awareness
LESSON 3 Networks	Different types of networks How computer technology has advanced from the 80s to today	Learning to know: Critical thinking Learning to live together: Communication	Work values: Curiosity, appreciation of science and scholars	Globalization Issues: Technological awareness
LESSON 4 Digital Communication Tools	How people communicate using computer networks Basic scientific concepts relating to ICT tools How computer networks help people of determination	Learning to live together: Communication Learning to be: Sharing	Academic values: Appreciation of technology Personal values: Independence	Globalization Issues: Digital citizenship, civilizational communication
LESSON 5 Internet Connection Problems and Solutions	Common ICT issues How to troubleshoot problems using a process	Learning to do: Decision-making Learning to know: Problem-solving	Academic values: Perseverance	Globalization Issues: Technological awareness
LESSON 6 Digital File Management	Different device accessories File systems How to organize information	Learning to be: Self-management Learning to know: Creativity	Personal values: Independence	Globalization Issues: Digital citizenship
LESSON 7 Information Search Strategies	How to plan effective searches Using keywords and subtopics	Learning to do: Decision-making Learning to know: Critical thinking	Academic values: Curiosity Citizenship values: Participate in scholarly research	Globalization Issues: Digital citizenship, technological awareness
LESSON 8 Reporting Findings	Posting information on an intranet / the internet How to share information on spreadsheets	Learning to live together: Communication Learning to do: Decision-making Learning to know: Critical thinking	Work values: Perseverance Personal values: Independence Citizenship values: Participate in scholarly research	Globalization Issues: Technological awareness



There are many different kinds of technology that can help us in our daily lives.

But the question is, "How can we use technology effectively?"

In this theme, you will learn about the evolution of technology. the components of computer systems and how technology can help people with determination.

You will also find out how explorers and archaeologists use technology to collect, analyze, and report their findings.



Explorer in Action

درس إثرائي

Fred Hiebert

- >>> Fred Hiebert is:
 - An archaeologist.
 - Explorer at National Geographic.
- >>> He studies the past by excavating, observing, and writing about objects and sites.

فريد هيبرت عالم آثار ومستكشف في منظمة ناشيونال جيوجرافيك.

₩ يقوم بدراسة الماضي من خلال التنقيب والملاحظة والكتابة عن الأجسام والمواقع الأثرية.



- >>> In his daily work, Mr. Hiebert uses ICT tools, such as:
 - Word: to write reports.
 - ② Excel: to prepare and show graphs.

Deja rafat للتفوق عنوان



W

- Open Point: to present the results of his research to his team.
 - >>> He ensures that the slides are easy to read and that the information is clear.

واضحة. استخدام برنامج PowerPoint، فإن السيد هيبرت يتأكُّد من سهولة قراءة الشرائح، وأن المعلومات واضحة.

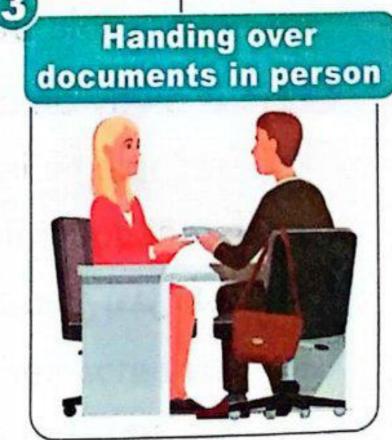
Mr. Hiebert communicates formally through:

Printed letters

▲ الخطابات الورقية



▲ رسائل البريد الإلكتروني



▲ يُسلم المستندات شخصيًا

ICT Prim. 5 - First Term 7

- Role of Information and Communication Technology (ICT) in Our Lives
 - Mr. Hiebert is also a mentor who guides his students and colleagues around the world.
 - 앬 من أنوار قريد هيبرت أيضًا توجيه طلابه وزملائه من جميع أنحاء العالم.

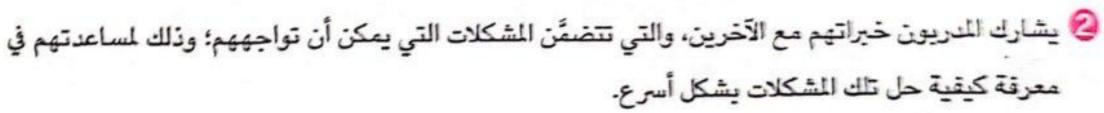
Mentoring

It is advising or training someone on a subject you have a lot of experience in.

التوجيه أو الارشاد: هو أن تُقدُّم النصيحة أو التدريب لأحد الأشخاص في موضوع تُملك خبرة كبيرة فيه.

Importance of Mentoring:

- Mentoring is a great way to pass on knowledge and skills.
- Mentors share their experience, including problems that may arise and how to deal with them. This helps others advance faster.
 - أيعتبر التدريب طريقة رائعة لتقل المعرفة والمهارات.





للتفوق عنوان

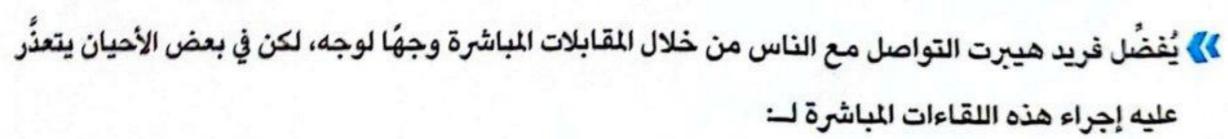
Types of Meetings

Face-to-face Meetings

Virtual Meetings

Face-to-face Meetings المقابلات المباشرة

- Mr. Hiebert generally prefers it to communicate with people.
- But sometimes face-to-face meetings are not possible because:
 - 1 He is away on an expedition.
 - ② The people he is meeting with are in different countries.



وجود الأشخاص الذين يلتقي بهم في بلدان مختلفة.

🕡 وجوده بعيدًا في رحلة استكشافية.

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Lesson (1)

الاجتماعات الافتراضية Virtual Meetings

- In such cases, Mr. Hiebert holds virtual meetings using platforms like Zoom and WhatsApp.
- >>> Virtual meetings have to be scheduled at a suitable time for everyone, but choosing a suitable time can be difficult due to the time difference between countries.
- Mr. Hiebert believes it is important to follow up on a virtual meeting or telephone call with official notes documented in an email or sent as a Word document.
- This ensures that everyone involved has the same information and a copy to keep.
 - ₹ وفي مثل هذه الحالات، يعقد هيبرت اجتماعات افتراضية باستخدام منصات مثل: زووم وواتس آب.
 - ₩ يجب تنظيم مواعيد تلك الاجتماعات في وقت مناسب للجميع، وهو أمر صعب؛ بسبب اختلاف التوقيت بين الدول.
 - العامة على الماهم متابعة الاجتماعات واللقاءات الافتراضية أو المكالمات الهاتفية بملاحظات رسمية موثقة في رسالة بريد إلكتروني أو مرسلة كمستند وورد مرفق.
 - ₹ ذلك يضمن حصول كل المشاركين على المعلومات نفسها، وكذلك على نسخة يحتفظون بها.





NOTES:

During virtual meetings or video conferencing, people can do the following:

- 1 They can see and hear each other.
- ② They can also share information found on their screens.
- 1 They can send and receive documents.

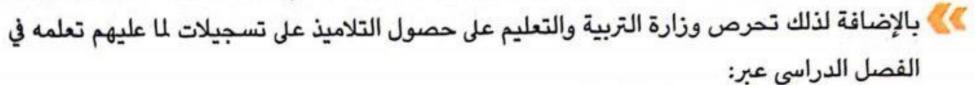
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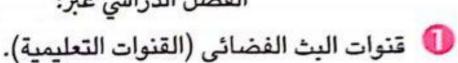
Sharing Information

- Sharing information has become vital in our day-to-day lives.
- Technology has helped to make this an easier task.
 - القد أصبحت مشاركة المعلومات أمرًا أساسيًا في حياتنا اليومية وقد ساعدت التكنولوجيا في تيسير هذه المهمة.



- Moreover, the Ministry of Education makes sure that students have a record of what they should have learned in the classroom via:
 - 1 The satellite broadcasting channels (educational channels).
 - YouTube channel, "Madrasitna", that provides videos on each school subject.





قناة اليوتيوب «مدرستنا»، والتي تقدم مقاطع فيديو لكل مادة من المواد الدراسية.



- 1 Students who missed a lesson.
- Students who need further explanation of a lesson.
- 3 Students who would just like a quick review.



مدرستنا

المستقبل يبدأ الآن

للتفوق عنوان

القنوات التعليمية على اليوتيوب تعطي فرصة أخرى للتلاميذ الذين فاتهم أحد الدروس، أو يحتاجون إلى مزيد من الشرح للدرس، أو الذين يرغبون بمراجعة سريعة للدرس.

	والمصطلحات	أهم الكلمات و	
Archaeologist	عالِم آثار	Knowledge	المعرفة
Explorer	مُستكشف	Face-to-face meetings	المقابلات المباشرة وجهًا لوجه
Excavating	التنقيب	Expedition	رحلة استكشافية
Observing	الملاحظة	Virtual meetings	اجتماعات افتراضية
Reports	التقارير	Time difference	فرق التوقيت
Graphs	الرسومات البيانية	Share information	مشاركة المعلومات
Mentor	مُدرُب	Ministry of Education	فزارة التعليم
Mentoring		Satellite broadcasting channels	The state of the s
100 ICT Prim. 5 - First Term			

	Choose the cor	rect answer	:	
1	Fred Hiebert is a/a a. biologist	b. scientist	c. ecologist	d. archaeologist (الإسكندرية - شرق 2023)
2	Fred Hiebert is an a		nd in Na c. doctor	
3	The software progra a. MS Word	b. MS Excel	ebert uses to write c. MS PowerPoint	reports is
4	a. MS Excel	esents data in the		in different formats. d. MS PowerPoint (الجيزة - العمرانية 2023)
5	Printed letters and eway.		to communicate i	
6	Mr. Hiebert uses en a. books c. Facebook			his discoveries.
7	experience in. a. Communication			have a lot o Peja rafa للتفوق عنوان d. Entertainment
8	We can use the Exc a. spreadsheets		b. presentations	
	c. documents		d. videos	(القامرة - النزمة 2023)
9	Mr. Hiebert prefers a. virtual meetings c. TV programs		b. face-to-face media	

Role of Information and Communication Technology (ICT) in Our Lives

	10	To communicate for	mally, you can	use many methods	, such as
		a. emails	b. printed letter	sc. none of them	d. both of them
	11	isaı	program used	to prepare presenta	tions.
2		a. MS Word		b. MS Excel	
1		c. MS PowerPoint		d. None of them	(الإسكندرية - وسط 2024)
	12	Mr. Hiebert holds	using I	olatforms like Zoom	and WhatsApp.
		a. virtual meetings	0 1	b. face-to-face me	
		c. TV programs		d. all of them	
	13	We can use MS Ex	cel to create	.	
		a. tables			d. both a and b
1			10000 1000		difficult.
	-636	a. face-to-face mee		b. virtual meeting:	
eja rafa	ıt	c sending emails	·	d. presentations	
للتفوق عنوار	15	Mr. Hiebert believ	es it's importa	nt to send	after a virtual
	400	meeting.			
		a. SMS	b. official note	es c. presentations	d. videos
6)	Put (✓) or (X):			
	1	Fred Hiebert is an	explorer at No	ational Geographic.	()
		Mr. Hiebert studied	1.20	U 1	
		Mr. Hiebert prefers	20		
		Mr. Hiebert uses fo			
		an expedition.		anigs when he is a	()
	5	Mentoring is a gree	at way to trans	fer your experience	and skills. (
		The Word program			73.5
				3	(القاهرة - النزهة 2023)
	7	The slides of your	oresentation sh	nould be hard to red	
		It is always possibl			()
		Technology doesn'			daily lives.(
		Power Point is a pr			(
	-	,	-9. am 0360 10	or wining reports.	(العيزة - العمرانية 2023)
7	2010	CT Prim. 5 - First Term			

Evn	orer	in /	Action
LXP	orei	111 /	ACHOIL

	Explorer in Action o-
11	Mr. Hiebert uses the MS Word program to write reports. (
12	Students who missed a lesson can find explanations through "Madrasitna" channel.
13	We use Zoom and WhatsApp to hold face-to-face meetings. (
14	You can use virtual meetings when the others are in different countries. (2023) (البحيرة - دمنهور 2023)
15	The spreadsheet program (Excel) is used to prepare and show graphs.
16	Virtual meetings can be scheduled at any time without considering time differences between countries.
17	The Word processor program is used to display the results in the form of presentations.
18	Email is used to communicate formally.
	Virtual meetings can be held using platforms such as Zoom and WhatsApp.
20	Mr. Hiebert believes it's important to send official notes after a virtual meeting or phone call.
21	The educational channel "Madrasitna" provides videos on each school subject.
	Complete the missing parts using the words between the brackets:
-	(formal – archaeologist – spreadsheet –
1	virtual meetings – Madrasitna channel) You can use when the other people are in different countries.
2	A is used to prepare graphs and tables.
3	Handing over documents in-person is a way of communication.
	Mr. Hiebert is an and explorer at National Geographic.
- C - C - C - C - C - C - C - C - C - C	

Correct	the u	inderl	ined	words:
0011001				

- 1 Fred Hiebert uses MS Excel to present the results of his expeditions.
- Fred Hiebert communicates informally with emails and printed letters.
- Mr. Hiebert uses face-to-face meetings when the other people are in different countries.
- Mr. Hiebert holds virtual meetings using MS Word and WhatsApp.

Choose from column (A) what suits it in column (B):

A

Column (A)	Column (B)
1 Face-to-face meetings	 a. Mr. Hiebert uses this way of communication during expeditions.
2 Virtual meetings	b. are a formal way to communicate with your teamwork.
3 Mentoring	c. are the preferred way of communication for Mr. Hiebert.
4 Emails	d. is a great way to pass on knowledge and skills

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. 1	

B

Column (A)	Column (B)
1 Zoom	a. is used to present results and information.
2 MS Word	b. is used to prepare graphs.
3 MS Excel	c. is used to hold virtual meetings.
4 PowerPoint	d. is used to write reports and documents.

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Lesson 2

Computer Accessories

>>> Like Mr. Hiebert, you can use ICT tools to share ideas.

مثل السيد هيبرت، يمكنك استخدام أدوات تكنولوجيا المعلومات والاتصالات لمشاركة الأفكار.

- Flash
 Memory
 ذاكرة الفلاش
- It is used to transfer files and data between computers.



Deja rafat

External Hard Drive

Like HDD, but much faster.
 ولكن يعمل بشكل أسرع.

محرك القرص الصلب الخارجى

- - مثل محرك الأقراص الثابتة، ولكن يعمل بشكل أسرع.

• تُستخدم لنقل الملفات والبيانات بين أجهزة الكمبيوتر.



Ethernet
Cable

سلك إيثرنت

- A cable that connects a computer or laptop to a router.
- سلك يربط جهاز الكمبيوتر أو الكمبيوتر المحمول بجهاز التوجيه (الراوتر).



② Ethernet Port

منفذ الإيثرنت

- It connects an eterhnet cable.
- Ethernet is more stable and faster than Wi-Fi.
 - يتصل بسلك إيثرنت.
 - الإيثرنت أكثر استقرارًا وأسرع من الوصلات اللاسلكية.



- **6** Router
- A device that connects a computer to the internet via ethernet or Wi-Fi.
 - جهاز يربط جهاز الكمبيوتر بالإنترنت بواسطة الواي فاي أو الإيثرنت.



6 HDMI

(high-definition multimedia interface)

- A cable that transmits audio and video from and to devices.
 - سلك ينقل الصوت والصورة من الأجهزة وإليها.



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-

Units of Measurement

Deja rafat للتفوق عنوان

Terabyte (TB) Gigabyte (GB)

Megabyte (MB)

Kilobyte (KB)

Byte (B) Bit

1 Bit	The smallest unit of data	0 or 1
2 Byte	1 Byte = 8 bits = 1 character	"Cat" = 3 characters = 3 Bytes
3 Kilobyte (KB)	1 KB = 1024 B	
Megabyte (MB)	1 MB = 1024 KB	
5 Gigabyte (GB)	1 GB = 1024 MB	
(a) Terabyte (TB)	1 TB = 1024 GB	

Megabits per second - Mbps

Measures the speed of a network or internet connection.

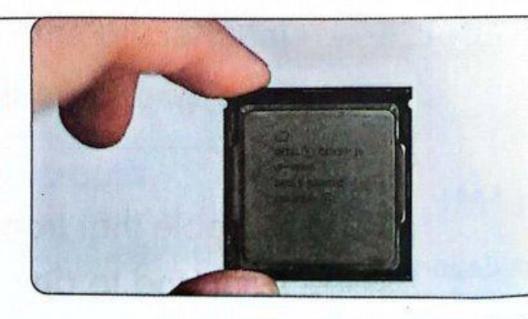


The faster the speed, the better the internet connection.

₩ وحدة قياس تُستخدم لقياس سرعة شبكة الإنترنت (كلما زادت سرعة الشبكة، كان ذلك أفضل).

GigaHertz (GHz)

- Measures the number of cycles your CPU carries out per second.
- >>> The higher the number of cycles, the faster the speed.



- أستخدم لقياس عدد الدورات التي تنفذها وحدة المعالجة المركزية في الثانية.
 - ₩ كلما زادت عدد الدورات، زادت سرعة معالجة البيانات والتعليمات.

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Lesson

Potential Computer Problems and Solutions

Problem	Reason	Solution
I Trouble processing large files (Like a big PowerPoint presentation) مشكلة في معالجة الملفات الكبيرة.	 Not enough graphics storage عدم وجود مساحة تخزين كافية للرسومات. 	• Shut down some programs. . A ship is a ship in the ship in the ship is a ship in the ship in
Not able to store files. عدم القدرة على تخزين الملفات.	• Not enough space • المساحة غير كافية.	 Move old files to an external drive. انقل الملفات القديمة إلى محرك أقراص خارجي.
A poor video- conference connection اتصال ضعیف بالشبکة أثناء مؤتمر فیدیو.	• Slow wireless internet connection • اتصال لاسلكي بالإنترنت ضعيف • اتصال لاسلكي بالإنترنت ضعيف وبطيء.	 Try an ethernet connection. جرّب شبكة الإيثرنت السلكية الإيثرنت السلكية السريعة.
The home internet connection not working.	• Connection interrupted . Urange of the connection interrupted i	Use ethernet or contact ISP (Internet Service Provider). ا استخدم الإيثرنت أو اتصل استخدم الإيثرنت.

	والمصطلحات	أهم الكلمات	
Flash memory	ذاكرة متنقلة	Ethernet port	منفذ الإيثرنت
External hard drive	محرك الأقراص الثابتة	Graphs	الرسومات البيانية
Router	الراوتر (جهاز التوجيه)	Processing	معالجة
Ethernet cable	سلك إيثرنت	Connection interrupted	انقطاع الاتصال

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Exercises on Lesson

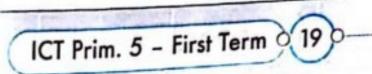
	1	A.
Š	1	7
		/
e e e		
	A	100

- 44	

Choose the correct answer:

1	The smallest unit of	data is	•	
	a. bit	b. byte	c. gigabyte	d. GHZ
	2023) (الإسكندرية - شرق 2023)	20) (الغربية - طنطا 24	وبر2024) (الفيوم - شرق 24	(الغردقة 2024) (الجيزة - ٦ أكت
2	100			
	a. HDMI	b. The CPU	c. Flash memory	d. A router
	(20	لقاهرة - عين شمس 24	قِية - شرق الزقازيق 2024) (ا	(أبناؤنا في الخارج 2024) (الشر
3	The	like on hard dis	sk drive, but it runs	faster.
	a. external hard dr	rive	b. flash memory	
	c. router		d. DVD	(الغربية طنطا 2024)
4	is a	device that co	nnects a computer	to the internet via
			- 1 TOTAL STORY	(الجيزة - الشيخ زايد 2024) (ال
	a. HDMI		c. An ethernet po	
5	is a	cable that conn	ects the computer of	divices to the router.
	- .1	I \A/: F:	LION	(أبناؤنا في الخارج 2024)
0		b. Wi-Fi	c. USB	d. Flash memory
6	Kilobyte =		1000	(السويس 2024)
	a. 8	b . 1	c. 1000	d. 1024
-				video to and from
	devices. a. ethernet cable	AND CONTRACTORS		(القاهرة - الزبتون 2024) (الجي d. HDMI
•			c. router	
8	a. A flash memory	,		(القاهرة - عين شمس 2024) d. None of them
0				
3	a. GHz	A 3444	1 = =	d. Gigabyte
				(المنوفية - شبين الكوم 2024)
				/

	second.		(2024	
				(الجيزة - الهرم 2024) (البحيرة
	a. Gigahertz	b. Mbps	c. Byte	d. Gbps
11	To write the word "	apple " you r	need	to represent it in a
(computer system.			(أسيوط 2024)
	a. 5 bits	b. 8 bits	c. 5 bytes	d. 8 bytes
12	The reason your ho	ome internet c	onnection is not w	vorking is because
	a. there is no enoug	h space	b. there is no enou	gh graphic storage
	c. the connection w			(الإسكندرية - شرق 2023)
13	Byte is equal to	bit(s	s).	
	a. 1024	b. 1	c. 8	d. 5
14 (One of the measure	ment units is t	he megabyte (Mb),	which is equal to
	•			
	a. 1024 bytes		b.1024 kilobytes	
	c. 1024 megabytes		d. 1024 gigabyte ((الإسكندرية –المنتزه ثانٍ 2023
15 \	When you are not a	ble to store file	es, this means that .	······································
	a. there is no enoug			
	b. the connection is			
(c. there is no enough	n space		d. none of them
16	Which problem wou	ld you use an	ethernet cable to so	olve;
	a. Not able to store	2.9		
1	b. A poor video con	ference connec	ction.	
(c. Trouble processing	g large files.		d. none of them
17 \	Which one represent	s the correct a	rrangement of the	se measuring units
(of a computer (from t	he biggest to t	he smallest)?	
(a. Terabyte - megaby	rte - gigabyte		
ŀ	b. Byte - kilobyte - me	egabyte		
(c. Megabyte - kilobyt	e – byte		
(d. Gigabyte- terabyte	- megabyte		





Put (√) or (X):

1 A byte is the smallest storage unit to store data.

نوفية- تلا 2024) (القاهرة - المعادي 2024)

- We use flash memory to store, transfer, and share information online.
- 3 GHz (Gigahertz) is a unit for measure network speed.

نامرة - الشروق 2024)

4 An Ethernet cable connects computers to the router.

جيزة - أبو النمرس 2023)

5 Kilobyte (KB)= 1024 bytes.

(الفيوم - شرق 2023)

- 6 The word 'ICT' takes 3 bits to store in a computer.
- 7 The ethernet is more stable and faster than Wi-Fi. (2024 الجيزة جنوب (2024) (
- 8 An ethernet cable transmits audio and video to and from devices.

(البحر الأحمر - الغردقة 2023)

9 To connect a computer to the internet, you need a router.

ميزة - كرداسة 2024)

- The more cycles that the CPU performs, the faster data can be processed.
- Gigabytes are used to measure the number of cycles executed by the CPU.
- Not having enough space can cause problems when handling large files.
- Gigabyte (GB) = 1024 byte.

(الفيوم - شرق 2024)

14 External hard drive, like the HDD but much faster.

قاهرة - مصر القديمة 2024)

15 HDMI is a cable that transmits audio and video from or to devices.

(بندر دمنهور 2024)

16 Both hardware and flash memory are used for the same purpose.

(القليونية 2024)

- 17 Megabyte (Mb) measures the speed of a network. (2024 بندردمنهور 2024) (
- 18 To solve the problem of your home internet not working, you can use an ethernet cable or contact your internet service provider. (

Complete the missing parts using the words between the brackets:

(flash memory - HDMI - An ethernet cable - A router)

- 1 A stores information.
- 2 connects your computer or laptop to the router.
- 3 connects the computer to the internet via Wi-Fi or ethernet.
- 4 is a cable that transmits audio and video to and from devices.

Choose from column (A) what suits it in column (B):

A

Column (A)	Column (B)	
1 Byte	a. 1,024 kilobytes	
2 Megabyte	b. 1,024 bytes	
3 Gigabyte	c. 1,024 gigabytes	
4 Kilobyte	d. 1,024 megabytes	
	e. 8 bits	

B

Column (A)	Column (B)	
1 A poor video-conference connection	a. Shut down some programs.	
2 Not able to store files	b. Try an ethernet connection	
3 Not enough graphics storage	c. Move old files to an external drive.	
1 2	3	

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Test Yourselfon Lessons 182

Put (✓) or (X):

- 1 Internet speed cannot be measured. (2024 الإسماعيلية إدارة شمال 2024)
- 2 PowerPoint is a program used for writing reports. (
- 3 One terabyte = 1024 Mbyte (2024) (الجيزة 6 أكتوبر 2024)
- 4 Flash memory is an external storage device. (2024 الجيزة الدقي 2024) (
- 5 A router is a device that connects a computer to the internet. (
- 6 🔒 Excel is a Microsoft program used for creating tables and graphs. (
- 7 Hard disk space is smaller than flash memory. (2024 السويس) (
- 8 a Time differences between countries is not important in virtual meeting

Choose the correct answer:

- 1 The enables you to store and share information. (2024)
 - a. flash memory
 b. keyboard
 c. CPU
 d. HDMI
- 2 are used to conduct virtual meetings
 - a. Skype b. Zoom c. Facebook d. Both a and b
- 3 The is like an hard disk drive but much faster. (2024 القاهرة المستقبل 2024)
 - a. DVD b. cable c. external har
 - b. cable c. external hard drive d. HDMI

الجيزة - العمرانية 2024)

- 4 a lot of experience in.
- a. Studing b. Gaming c. Chatting d. Mentoring
- 5 Gigabyte equals (2024 دمياط 2024)
 - a. 1024 kilobytes b.1024 bits c. 1024 megabytes d. 1024 bytes
- 6 The connects a computer to the internet via Wi-Fi or ethernet. (2024 بندردمنهور
 - a. modem b. router c. switch d. CPU
- - a. flash memory is full b. no storage space
 - c. network connection interruption d. browsers (2024 الإسماعيلية 2024)

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Networks



Networks

They are groups of people, or things, that are connected to each other for a common purpose.

تُمثِّل مجموعات من الأشخاص أو الأشياء المرتبطة ببعضها لهدف مشترك.



Computer Networks

They connect computers with each other to share important information and data.

تربط أجهزة الكمبيوتر مع بعضها البعض؛ لمشاركة المعلومات والبيانات المهمة.



Some Types of Computer Networks

1) Local Area Network (LAN)

- You may have your own personal computer network at home.
- It may consist of a computer connected to another computer or device, such as a printer or router.
 - قد يكون لديك شبكة الكمبيوتر الشخصية الخاصة بك في المنزل.
 - قد تتكون من جهاز كمبيوتر متصل بجهاز كمبيوتر آخر أو جهاز آخر مثل: الطابعة أو الراوتر.



Internet

>>> The internet is a network that connects millions of computers and the people using them from all around the world.



الإنترنت هو شبكة تربط أجهزة الكمبيوتر والأشخاص الذين يستخدمون تلك الشبكة من جميع أنحاء العالم.

What do we need to connect a computer to the internet?

We need a gateway, such as a router.

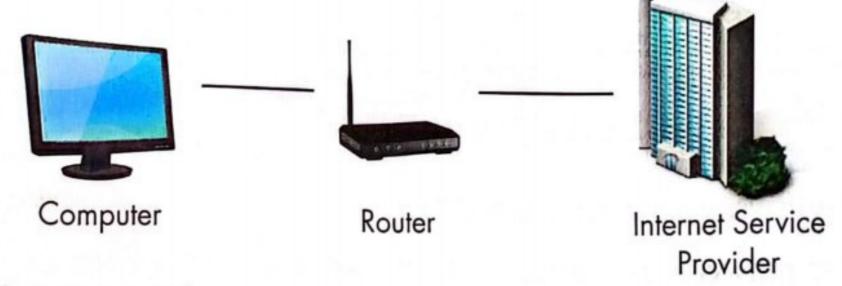
Router

It connects your computer to an ISP (Internet Service Provider).

نوم بربط جهاز الكمبيوتر الخاص بك بمزود خدمة الإنترنت.

The ISP

(Internet Service Provider) is a company that provides internet service to customers. مزود خدمة الإنترنت) هو شركة تقدم خدمة الإنترنت للعملاء.



Note: A gateway is a means of access to something.

البوابة هي وسيلة للوصول لشيء ما.

The World Wide Web (WWW)

It is part of the internet network and is made up of web pages and sites that people can navigate.

اشبكة العنكبوتية العالمية: تعتبر جزءًا من شبكة الإنترنت، وهي تتكوَّن من صفحات شبكية أو صفحات ويب يمكن لأشخاص التنقل بينها.

>>> Example: The Egyptian Knowledge Bank (EKB) on the WWW. Is available for free to all Egyptians who register on the site. قالمعرفة المصرية



◊ إن بنك المعرفة المصري موجود على شبكة الويب العالمية، وهو متاح بالمجان لجميع المصريين المسجلين على الموقع.

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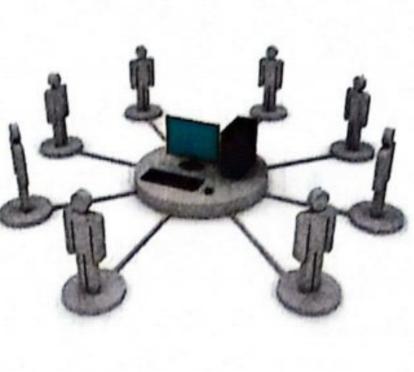


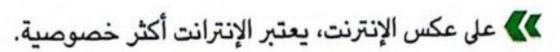
Lesson

3 Intranet

Unlike the internet, the intranet is private.

It is restricted to only those who are part of the business, school, or organization with which they are connected.





₩ يقتصر فقط على الذين يشكلون جزءًا من العمل أو المدرسة أو المؤسسة التي تتصل بها.

Open Network

• It is opened and accessible to all.

Example: The Web

هي شبكة مفتوحة ومتاحة للجميع (مثل شبكة الإنترنت).

Closed Network

It may only have computers linked by cable to allow file sharing.

Example: A school's computer lab

قد تحتوي فقط على أجهزة كمبيوتر متصلة بواسطة كبل للسماح بمشاركة الملفات.

Intranet

Internet

Closed computernetworkPrivate

Share information

Open computernetworkPublic

Cable

• Its is a long connector that transmits data or power between devices.

Example: Ethernet cable

هو مُوصِّل طويل ينقل البيانات أو الطاقة بين الأجهزة (مثال: سلك الإيثرنت).

ICT Prim. 5 - First Term 0 25

80s: Dial-up Internet Connection

- >> They used phone line to connect to the internet.
- >> They couldn't use the phone when on the internet.
- >> Slow but stable connection.



- الهاتف هو الطريقة الوحيدة للاتصال بالإنترنت.
 - الكان يستحيل استخدام الهاتف أثناء الاتصال بالإنترنت.

Late 80s: Digital Subscriber Line (DSL)

التصال بطيئًا ولكنه ثابت.

- » A high-speed connection.
- >>> It uses the same home phone wires to connect to the internet.
- >>> It allows the phone and the internet to be used simultaneously.

₩ تُستخدم أسلاك الهاتف المنزلي.

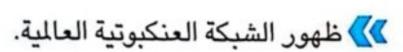


- الله وصلة إنترنت ذات سرعة عالية.
- ₩ تسمح باستخدام الهاتف والإنترنت في آنٍ واحد.

90s

Theme (

- >>> Emergence of the World Wide Web (WWW)
- >>> It consists of a large set of web pages that are linked to each other using hyperlinks.



₹ تحتوي على مجموعة كبيرة من صفحات الويب التي ترتبط معًا

باستخدام روابط تشعبية.



2000+

- >>> Wi-Fi devices have become popular.
- Hotspots allow you to access the internet anywhere from your smartphone.

₹ انتشرت أجهزة الواي فاي.

ظهرت أيضًا نقاط الاتصال التي تتيح لك الاتصال بالإنترنت من أي

مكان من خلال الهواتف الذكية.



-026,0 ICT Prim. 5 - First Term

Test Yourself

Complete the following:

- To be connected to the internet, you need a device called
- The internet is network, but intranet is network.
- is a part of the internet and consist of webpages.
- is the company that provide you with internet.

أهم الكلمات والمصطلحات				
Network	شبكة	Egyptian Knowledge Bank	بنك المعرفة المصري	
Purpose	هدف – غرض	Accessible not be a second	arls important in	
Connection	الاتصال ١٥١٩٩٢١١١١	Organization	منظمة منظمة الماليال	
Gateway	بوابة (مدخل)	Lab has	that people deep	
Internet Service Provider	مزود خدمة الإنترنت	World Wide Web	الشبكة العنكبوتية العالمية	
Navigate men	التنقل none of t	Popular	amage e flash me	



o. An ISP. . . b A Pouler WWW WebWWW A galleway

ICT Prim. 5 - First Term Q 27



	_	
- /		
- 486	ы	
100		
	м	
- 1		_

Choose the correct answer:

1	are	groups of peo	ple or things that o	are connected to eac
	other.	AND DESIGNATION OF		
	a. Computers		b. Networks	
	c. Gateways		d. WWW	
	النمرس 2023)	نية 2023) (الجيزة - أبو	يجمي 2024) (الجيزة - العمرا	لغردقة 2024) (الإسكندرية - ال
2	Theimportant informa		mputers with eac	h other to exchang
	a. digital footprin	t and a second	b. computer net	works
	c. Word processo	r	d. spreadsheet	بناؤنا في الخارج 2024)
3	To connect your co a. network c. flash memory	omputer to the	b. gatewayd. none of them	aا الجيزة - العمرانية 2023) (الإس
4	The consi	ists of a compu b. ethernet	c. router	printer or a router. d. LAN الشرقية - شرق الزقازيق 2024)
5				المنوفية - السادات 2023) (الدة d. cable
6			hat connects your c. ethernet port	computer to an ISP.
7	Theusing them from al	I around the w	orld.	mputers and people الجيزة - أبو النمرس 2023) d. internet
Q				
0	a. An ISP		c. WWW	d. A gateway

9	The is mo	ade up of web	pages that peop	ie can navigale.
*4000	a. WWW		c. router	d. none of them
				(المنوفية - تلا 2024)
10	The	is private and	restricted to only	those who are part
	of the business, sch	nool, or organi	sation with which	they are connected.
	a. internet	b. intranet	c. LAN	d. WWW
11	Your school's comp	outer lab is	netwo	rk. (2024)
	a. open	b. closed	c. WAN	d. none of them
12	2 is available for free to all Egyptians who register on the			
	a. The EKB		b. Google Chro	ome
	c. Wikipedia		d. Amazon	
13	netw	vorks share pu	blic information.	(الجيزة - جنوب 2024)
	a. Open	b. Closed	c. School	d. None of them
14	WWW is a part of	of the internet	that has	that people can
	navigate.			
	a. LAN		b. a closed net	work
	,		D. a closed fiel	WOIK
	c. web pages		d. anti virus	
15	c. web pages	a long connec	d. anti virus	lata or power between
15	c. web pages Ais devices.		d. anti virus tor that transmits d	
	c. web pages Ais devices. a. flash memory	b. router	d. anti virus tor that transmits d	lata or power between (أسيوط - الفتح 2024) d. LAN
	c. web pages Ais devices. a. flash memory is c	b. router	d. anti virus tor that transmits d	lata or power between (أسيوط - الفتح 2024) d. LAN
	c. web pages A is devices. a. flash memory phone when using	b. router	d. anti virus tor that transmits d	lata or power between (أسيوط - الفتح 2024)
	c. web pages Ais devices. a. flash memory is c	b. router slow connections the internet.	d. anti virus tor that transmits d	lata or power between (أسيوط - الفتح 2024) d. LAN
	c. web pages Ais devices. a. flash memoryis o phone when using a. Dial-up	b. router slow connections the internet. b. DSL	d. anti virus tor that transmits d c. cable tion that doesn't c. WWW	lata or power between (2024-الفتح 2024) d. LAN allow you to use the d. Hotspot
16	c. web pages Ais devices. a. flash memoryis o phone when using a. Dial-upallo smartphone.	b. router slow connections the internet. b. DSL	d. anti virus tor that transmits d c. cable tion that doesn't c. WWW	lata or power between (2024-الفتح 2024) d. LAN allow you to use the
16	c. web pages Ais devices. a. flash memoryis of the phone when using a. Dial-upalo	b. router slow connections the internet. b. DSL ws you to acc	d. anti virus tor that transmits d c. cable tion that doesn't c. WWW	lata or power between (2024 - الفتح 2024) d. LAN allow you to use the d. Hotspot om anywhere on your
16	c. web pages Ais devices. a. flash memoryis complete when using a. Dial-upallo smartphone. a. WWWallows to	b. router slow connect the internet. b. DSL ws you to accomb. Hotspot he phone and	d. anti virus tor that transmits d c. cable tion that doesn't c. WWW tess the internet fr	lata or power between (2024- الفتح 2024) d. LAN allow you to use the d. Hotspot om anywhere on your
16	c. web pages Ais devices. a. flash memoryis o phone when using a. Dial-upallo smartphone. a. WWW	b. router slow connection the internet. b. DSL ws you to accoma to the phone and connection	d. anti virus tor that transmits d c. cable tion that doesn't c. WWW tess the internet fr	lata or power between (2024 - الفتح 2024) d. LAN allow you to use the d. Hotspot om anywhere on your d. Dial-up

2	Put (1	or	(X)):
				_	-

- The internet is more secure and private than the intranet. (الفيوم إدارة شرق 2023)
- 2 Internet is a network that connects computers from all around the world
- (الإسكندرية وسط 2024) (الإسكندرية وسط 2024) (الإسكندرية وسط 2024) (الفيوم إدارة شرق 2023) (الفيوم إدارة شرق 2023)
- A local area network (LAN) is a network that connects computers from all over the world.

 (
- 5 A website is a group of pages on the internet. (2024 (الإسماعيلية 2024) (
- 6 To connect a computer to the internet, you need a router.
- 7 EKB is a reliable source of knowledge. (2024 مصر القديمة 2024) (القاهرة مصر القديمة 2024)
- 8 A cable is a long connector that transfers data or power between devices.
- To connect a computer to the internet, you only need a router (GETAWAY).
 (GETAWAY).
- 10 WWW is a short form for the World Wide Web. (2023 الجيزة العمرانية 2023) (الجيزة العمرانية 2023)
- 11 The World Wide Web (WWW) is a part of the intranet.
- 12 Hotspot appeared after the year 2000.
- 13 The internet is part of the World Wide Web (WWW).

(القليوبية 2024)

- 14 The internet is a private network that is restricted to some people. (
- 15 A school's computer lab could have its own closed network. (

(الجيزة - أبو النمرس 2023) (أسيوط 2024)

- Hotspot allows you to access the internet from anywhere on your smartphone.
- The Egyptian Knowledge Bank is available for free to all Egyptians who register on the site. (2024 أسيوط إدارة الفتح 2024) (الإسكندرية المنتزه ثان 2024) (أسيوط إدارة الفتح 2024)

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Lesson (3)

Complete the missing parts using the words between the brackets:

(WWW - A router - DSL - An ISP - A LAN - The EKB)

- 1 enables you to connect your laptop to the internet.
- 2 consists of one computer connected to a printer or a router.
- 3is a part of the internet network, made up of web pages and sites.
- 4 is the internet service provided by Egyptian companies to citizens.
- 5 is available for free to all Egyptians who register on the site.
- 6 allows the phone and the internet to be used simultaneously.

Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 A router	a. is a part of the internet network, is made up of web pages and sites
2 The internet	b. is a computer network between some people in the same work.
3 The intranet	c. connects your computer to an ISP.
4 WWW	d. is a computer network between people all over the world.

Complete the following diagram:

**********	********
Open	Closed
computer	computer
network	network

ICT Prim. 5 - First Term 03

Digital Communication Tools

Uses of Computer Networks and the internet

سَاشخاص: For People: سَاشخاص

- >>> We communicate using computers or mobile networks every day to:
 - Send a text.

- Buy something.
- 1 Take an online class.
- @ Download or upload a video.
- Use an app or program.
- ₩ نتواصل يوميًّا باستخدام شبكات الكمبيوتر أو الهواتف لــ:
- اخذ دروس عبر الإنترنت.
- 🙋 شراء شيء.
- 1 إرسال رسائل نصية.
- ق تشغيل التطبيقات أو البرامج.
- و تنزيل أو تحميل مقاطع فيديو.





- For Businesses and Organizations: للشركات والمؤسسات
- >>> They use networks every day to share information through:
 - Closed networks: to share private information.
 - Open networks: to share public information.
 - أستخدم الشركات والمؤسسات أيضًا الشبكات يوميًا لمشاركة المعلومات، من خلال:
 - 🕕 شبكات مغلقة لمشاركة المعلومات الخاصة. 🔞 شبكات مفتوحة لمشاركة المعلومات العامة.

-032 O ICT Prim. 5 - First Term

Lesson

Internet of Things

- >>> Household items can be part of a network; this is called "Internet of Things" (IoT).
- The loT consists of devices linked to the internet via Wi-Fi.
- These devices can be controlled, whether you're in the same room or in another city!
 - الشياء». الأدوات المنزلية جزءًا من شبكة أيضًا، وهذا ما يُسمَّى «إنترنت الأشياء».
 - Wi-Fi يتكون إنترنت الأشياء من أجهزة متصلة بالإنترنت عن طريق Wi-Fi.
 - يمكن التحكم في هذه الأجهزة سواء كنت في نفس الغرفة أو في مدينة أخرى.



Examples of "IoT"

- 1 Bluetooth speakers to listen to music.
- 2 A digital refrigerator
- 3 Washing machine
- Note: These devices can be turned on/off using specific apps.

Bluetooth

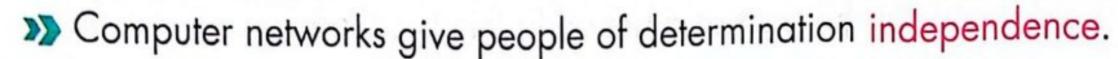
 It is a networking technology that connects wireless mobile devices over a short range to form a network to transmit data between different devices.



تقنية شبكية تربط الأجهزة المحمولة اللاسلكية عبر مدى قصير؛ لتشكيل شبكة لنقل البيانات بين الأجهزة المختلفة.



الشبكات وذوي الهمم Networks and People of Determination



- >>> This independence helps them save money and time.
- >>> It also increases their level of self-confidence.
 - تمنح شبكات الكمبيوتر الأشخاص ذوي الهِمَم الاستقلالية.
 - 💦 تساعدهم الاستقلالية في توفير المال والوقت.
 - 🔐 كما تساعدهم أيضًا في زيادة مستوى ثقتهم بأنفسهم.



How can technology helps people of determination



كيف يمكن للتكنولوجيا أن تساعد أصحاب الهِمَم؟

قارئات الشاشة Screen Readers

- >>> Help visually impaired people to do the following:
 - Writing research papers.

- 2 Doing homework.
- Accessing files and documents on a PC.
- >>> It is used for audio feedback, to convert digital text to audio.
 - ₹ لساعدة ضعاف البصر في كتابة الأبحاث والواجبات المنزلية والوصول إلى الملفات والمستندات على جهاز الكمبيوتر.
 - ₹ تستخدم قارئات الشاشة في التعليقات الصوتية؛ لتحويل النص الرقمي إلى صوت.

طريقة برايل Braille Method

>>> It helps blind people read and write.

الكتابة. المكفوفين على القراءة والكتابة.

التجارة الإلكترونية E-commerce

Online shopping, where people can buy and sell products.

₩ التسوق عبر الإنترنت؛ حيث يمكن للأشخاص شراء المنتجات وبيعها.

-0340 ICT Prim. 5 - First Term

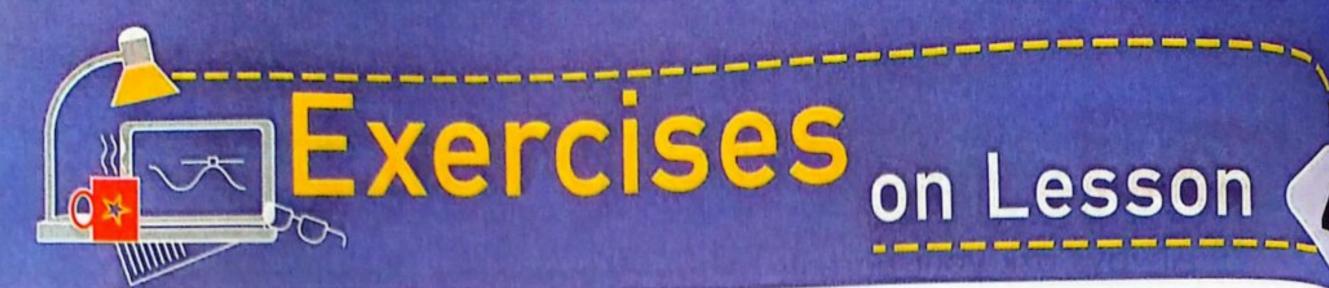
Lesson



- 1 Always ask your parents before doing online shopping.
- 2 Think about digital privacy. Don't share your personal information.
 - 1 اسأل والديك دائمًا قبل القيام بالتسوق عبر الإنترنت.
 - 2 فكِّر في الخصوصية الرقمية، ولا تشارك معلوماتك الشخصية.

أهم الكلمات والمصطلحات				
uy	شراء	Self-confidence	الثقة بالنفس	
rivate information	معلومات خاصة	People of determination	الأشخاص ذوو الاحتياجات	
ublic information	معلومات عامة	Visually impaired	ضِعاف البصر	
iternet of Things	إنترنت الأشياء	Accessing	الوصول	
hort range	مدى قصير	Blind	الكفيف	
idependence	الاستقلالية	Digital privacy	الخصوصية الرقمية	





		Choose the corr	ect answe	r:	
					e internet via Wi-Fi.
	•	a. CPU	b. loT	c. DSL	d. WWW
-			(2024	الشرقية - شرق الزقازيق	الغردقة 2024) (القليوبية 2024) (ا
-	2	The technology that			rices over a short range
		to form a network is			
-		a. Scanner	b. WWW	c. intranet	d. Bluetooth
				(2024 J	القاهرة - عين شمس 2024) (دمياط
-	3	Online buying and	selling is know	n as	
		a. Word		b. E-commerce	
		c. PowerPoint		d. IoT	الفيوم - شرق 2023)
	4 Banks use the to share their information.				ation.
		a. opened networks		b. social medi	a sites
		c. graphical softwa			أبناؤنا في الخارج 2024) orks/
	5	To share			
		a. private		•	d. confidential
	6	Hatem is visually	impaired, so	he does scho	oolwork online using
1					
		a. printer		b. screen read	
	7	c. scanner			الإسكندرية - المنتزه ثانٍ 2024)
		information.	anizations use	netv	vorks to share private
-		a. open	b. closed	c. public	d. Bluetooth
	8	Bluetooth is a netwo			
		devices over a	rang	e to form a netv	work to transmit data.
		a. short	b. long	c. middle	d. all of them
					(الإسكندرية - المنتزه ثان 2023)

Digital Communication Tools

9	People of determination use	to he	elp them with shopping.
	a. e-commerce b. mouse	e c. file	d. scanner
			(الإسكندرية - العجمي 2023)
10	Computer networks give peo	ple of determinati	
	 a. more independence 	b. increase	their self-confidence
	c. help them save mony and	time d. all of the	em
11	The consists of Wi-Fi.	of household device	ces that are connected to
	a. Bluetooth	b. internet	
	c. Internet of Things		m (الإسكندرية - وسط 2024)
12	Visually impaired people co		
100	online.		(أسيوط 2024) (القاهرة - الزبتون 2024
	a. Bluetooth	b. screen re	
	c. Zoom	d. none of	
13	The Braille method allows bl		
	a. speak b. read		d. all of them
14	You can use a. browser b. braille	e c. e-comme	anything on the internet. rce d. Bluetooth (الفيوم - شرق 2024) (الدقهلية 2023)
15	is a networkin	g technology that	connects wireless mobile
	devices.	وسط 2024)	(الجيزة - 6 أكتوبر 2024) (الإسكندرية - و
	a. Bluetooth b. Intran	et c. LAN Net	work d. None of them
16	The connection of washing r	machine to an app	olication on the mobile is
	a. computer networks	b. screen re	eader's
	c. internet of things	d. mobile d	evelopment (2024)
	Put (✓) or (X):		
1	People communicate every of	lay usina compute	r networks.
2	The digital washing machine		
0	The digital washing indefinite		را المنوفية - السيوط 2024) (المنوفية - الس
-		(2020 2100	

Role of Information and Communication Technology (ICT) in Our Lives

3 Bluetooth is a network technology that works over long ranges.

ي عندرية - وسط 2023) (الجيزة - الشيخ زايد 2023)

4 People of determination can communicate and follow their lessons online

- 5 You can't control home appliances connected to the internet remotely. (
- 6 Braille makes it more difficult to read for people of determination. (يوط 2024) (الجيزة - العمرانية 2023)
- 7 Intranet of things is a network technology that connects wireless mobil over a short range to form a network to transmit data between different devices.
 (2024 مبين الكوم 2024)
- 8 Braille method allows blind people to read. (2024 الجيزة الهرم 2024) (
- 9 Always ask permission from your parents before buying anything online
- The screen reader is used by the visually impaired to get audio feedback (2024) (الغربية طنطا 2024)
- 11 It is difficult for household appliances to be part of a network. (
- The Internet of Things is a network technology that connects wireless mobile devices via short range.

Choose from column (A) what suits it in column (B):

Column (B)	
a. is used by blind people to read.	
b. is used to sell your smartphone online.	
c. is an example of IoT.	
d. are used by people of determination to write research.	

Test Lourselfon Lessons 3&4

1	Choose the correct answer:			
1	The intranet is network. (2024 الدقهلية - بلقاس 2024) a. public b. WWW c. open d. closed			
	is/are from the Internet of Things devices. (2024 القاهرة - المستقبل) a. Digital Refrigerators b. Watches c. Cars d. WWW			
3	The World Wide Web (www) is			
4	People of determination can get audio feedback through			
	To use the Internet in your home, you need			
	Household items can be part of a network as well, this is called a. Internet of Things b. Digital privacy			
7 .	c. Gateway d. address (2024) is private to only those who are part of the organization. (المنوفية - تلا 2024)			
	a. internet b. Intranet c. WWW d. WAN ut (√) or (x):			
	The EKB website is Available for Free to All Egyptians. (2024 القامرة-المستقبل) (القامرة-المستقبل) (القامرة-المستقبل) (المامرة-المستقبل) (الم			
3 Bluetooth connects mobile with devices over short range. (2024قوا العبرانية العبرانية العبرانية العبرانية العبرانية المالية				
city. (2024) () 7 The intranet is a public and open network. () 8 Bluetooth speaker is an example of the Internet of Things. ()				
	(الجيزة - الشيخ زايد 2024)			

Lesson 5 Internet Connection Problems and Solutions

>>> We have studied that Fred Hiebert uses:

₹ لقد درسنا في الدرس الأول أن فريد هيبرت يَستخدم:

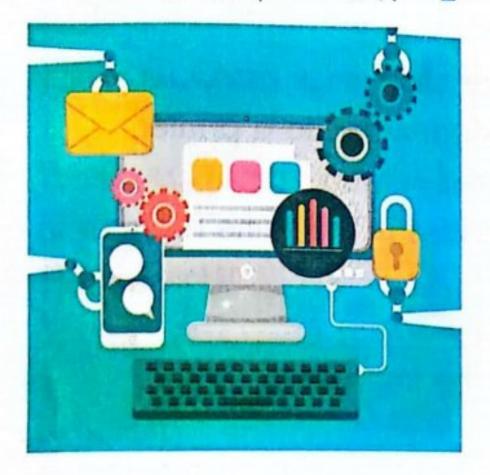




- >>> Word: to write reports.
- Excel: to create tables and graphs.
- PowerPoint: to make presentations.
- برنامج Word لكتابة التقارير، وWord لإنشاء الجداول والرسومات البيانية، وPowerPoint لعمل عروض تقديمية حول اكتشافاته.
- Email and video conferencing: to share his discoveries with his colleagues.
 - البريد الإلكتروني ومؤتمرات الفيديو؛ ليشارك اكتشافاته مع زملائه.
- >> While using these programs, you may face many problems related to:
 - ◊ أثناء استخدام هذه البرامج، قد تتعرَّض للعديد من المشكلات المرتبطة بــ:



- >>> The device hardware or software.
 - الجهاز المُستخدَم أو برامجه.



A weak or interrupted internet connection.



Following a Process to Solve Computer Problems

اتباع خطوات محددة لحل مشكلات الكمبيوتر

- 1 Identify the problem.
 - >>> What's the issue? Is it a hardware or software problem?
 - >> Have you committed an error that caused the problem?
- Plan different ways you might solve the problem.
- 3 Go through your potential solutions to the problem.
 - Try each one until you find a solution or get to your final idea without solving it.
- If you do not find a solution to the problem:
 - >> Ask your teacher or a member of your family for help.
 - حدِّد المشكلة: ما المشكلة؟ هل هي مشكلة في مُكونات جهاز الكمبيوتر أم في البرمجيات؟ هل ارتكبت خطأ سبَّبَ هذه المشكلة؟
 - فكر في طرق مختلفة يمكنك اتباعها لحل المشكلة وخطط لها.
 - ادرس الحلول المحتملة للمشكلة، وجرِّب كلًّا منها إلى أن ينجح أحدها، أو تصل إلى فكرتك الأخيرة من دون حل المشكلة.
 - إذا لم تتوصّل إلى حل للمشكلة، فعليك الاستعانة بمعلمك أو بأحد أفراد أسرتك.





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Fesson (5



- >>> Following a process when troubleshooting will help you:
 - Find different ways to solve problems.
 - If your idea didn't work for a particular problem, it may work for another of it is your idea didn't work for a particular problem, it may work for another وإن اتباع خطوات محددة عند العمل على اكتشاف المشكلات وإصلاحها، سيساعدك على التوصل إلى طرق مختلفة لحل المشكلات. وإذا لم تنجح فكرة ما توصَّلت إليها في حل مشكلة معينة، فقد تسهم في حل مشكلة أخرى.

Problem	Solution
The computer slows down when opening an app. opening an app. year and app. year and app. year and app. year and app. in app. year app.	 Shut down and restart it. Check for software updates. Delete unwanted apps. Check Wi-Fi signal. Make sure apps are up-to-date on your device.
No internet connection Lying in the connection White it is a second of the connection of the connec	 Use the software to troubleshoot your Wi-Fi connection. Check that the router is connected. Restart your router. Try a new ethernet cable. Contact the customer service of your ISP for help. Restart your computer and router. Check the internet speed.

أهم الكلمات والمصطلحات				
Presentations	العروض التقديمية	Shut down	غلق جهازك	
Identify	حدِّد	Check	أحص	
Issue	مشكلة	Restart	أعد التشغيل	
Plan	خطة	Software updates	تحديثات البرامج	
Potential solutions	الحلول المحتملة			

D	Choose the correct answer	r:
1	Mr. Hiebert uses emails and	to share his discoveries with
	his colleagues.	(القامرة - المستقبل 2024)
	a. Facebook	b. MS Word
	c. MS Excel	d. video conferences
2	To solve a problem, the first step y	ou should do is to
	 a. Identify the problem 	b. study solutions
	c. forget the problem	d. plan the problem
		(الغربية - طنطا 2024) (القاهرة - الزبتون 2024)
3	For internet connection issues, try	using a new cable.
	a. HDMI b. USB	c. DVD d. ethernet
4	When the browser is running slow	vly, you have to
	a. delete unwanted apps	b. check the Wi-Fi signal
	c. check your keyboard	d. none of them (2024)
5	If there is no internet connection,	الجيزة - الشيخ زايد ٢٠٢٣)
	a. update the software	b. delete unwanted apps
	c. check the internet speed	d. check if the router is connected
6	If your download is slow, possible	
	a. restarting your computer	b. restarting the router
	c. checking the internet speed	d. all of them (2024 السويس 2024)
7		
400	The step to solve a	
	a. first b. second	(الإسماعيلية - إدارة شمال 2024)
•	2. 0000114	
8	Check for software updates when	
		b. downloading a file is very slow
	c. the computer slows down on o	pening an app d. none of them

		The same of the sa
9	Try a new ethernet cable when	
	a. there is no internet connection	b. the computer is not working
	c. the screen freezes	d. all of them
10	When a computer slows down on	opening an app,
	 a. check for software updates 	b. restart the router
	c. check the Wi-Fi	d. contact the ISP (2024 الدقهلية - بلقاس 2024)
11	Slow downloads may be due to lo	speed.
	a. monitor b. internet	1 1 1 1
12	If you can't solve the internet speed p	problem, contact your for help.
		b. manufacturer
	c. friend	d. ISP
13	You can contact the customer serv	ice of your ISP for help when
	a. the internet connection is interre	upted
	b. the browser is running slowly	
	c. an app doesn't open	d. none of them
	Put (✓) or (X):	
1	Mr. Hiebert uses emails to share h	is discoveries with his colleagues.
		(
2	You should follow the troubleshoot	ting process to solve computer
- 25	problems.	(
3		step in solving computer problems.
		(الإسكندرية - العجمي 2024) (البحيرة - دمنه
4	PowerPoint is a Microsoft progran	n used for making presentations.
-	V 6 . 1 1	(
	You can use software to check you	· · · · · · · · · · · · · · · · · · ·
6	If your home internet is not working	g, you can close some programs to

7 When the browser is running slow, you have to check the Wi-Fi signal.

(الشرقية - شرق الزقازيق 2024)

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solve the problem.

-				
8	8 We should regularly check for software updates to avoid software problems. ()			
9	9 It's important to check Wi-Fi signal if the browser is running slow.			
		()		
10	One of the possible reasons for slow downl	, ,		
•	16 ab - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	(الجيزة - جنوب 2024)		
11	If the idea you have doesn't solve a probler solving another problem.	n, it may contribute to		
12	Restarting the router is one of the ways to so problem.	olve the slow download ()		
	When there isn't an internet connection, it's	(دمياط 2024)		
14	One of the solutions to the problem of a slow computer when opening an app is to delete unwanted apps.			
	Arrange the following steps:			
a (
	Choose from column (A) what suits	it in column (B):		
	Column (A)	Column (B)		
	Problem	Solution		
1	No internet connection	a. Delete unwanted apps.		
2	The browser running slow	b. Restart your router.		
The computer slows down when opening an app.				
0				

Digital File Management

Information Is Everywhere

>> Where can we find information?

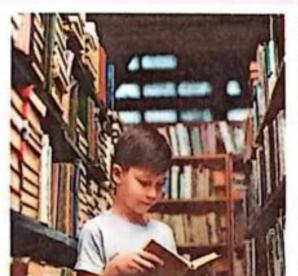
QR Code

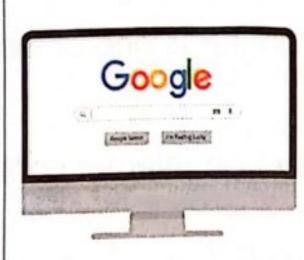
Libraries

Internet

TV









رمز الاستجابة السريعة

المكتبات

البحث من خلال الإنترنت

جهاز التلفزيون

- QR code: It helps us access the information easily and quickly by scanning the code with a camera phone.
 - يساعدنا رمز الاستجابة السريعة في الوصول إلى المعلومات بسهولة وبسرعة عن طريق مسح الرمز باستخدام هاتف مزود بكاميرا.



How do we save and store information



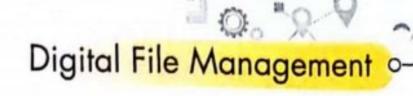
كيف نحفظ ونخزن المعلومات؟

- A scanner: is used to save images and documents on a computer for later use.
- @ Flash memory: is used to store and share information and data.
- 3 Digital camera: is used to capture and store photos and videos digitally.
 - الماسح الضوئي: يستخدم لحفظ الصور والمستندات على الكمبيوتر لاستخدامها لاحقًا.
 - ذاكرة الفلاش: تستخدم لتخزين ومشاركة المعلومات والبيانات.
 - (S) الكاميرا الرقمية: تستخدم لالتقاط وتخزين الصور ومقاطع الفيديو رقميًّا.









 \in

Lesson

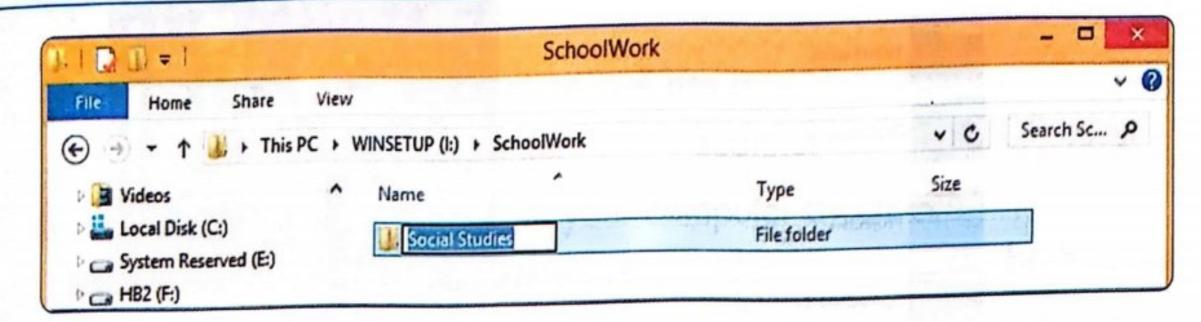
How to get organized using ICT tools

- 1) Create the main folder
- 1 Press the right button of the mouse.
- 2 Select "New", then select "Folder".
- 1 Type a name for the folder (School Work).



2) Add sub-folders

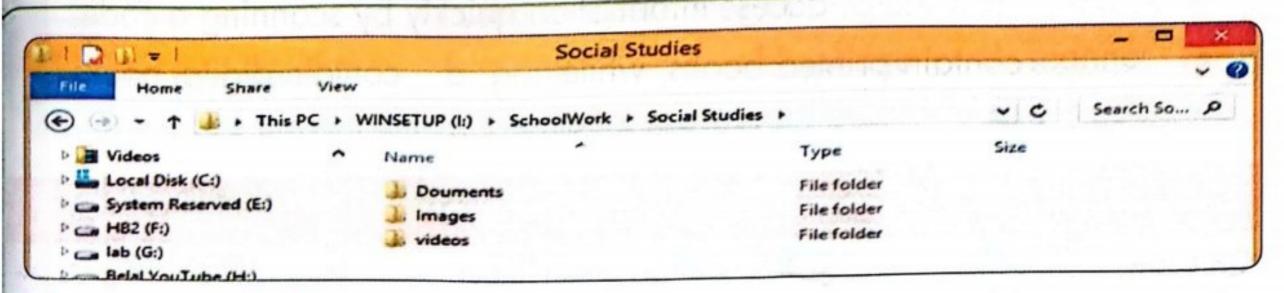
إنشاء مجلدات فرعية



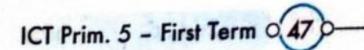
- 1 Open the main folder.
- Press the right button of the mouse.
- 3 Select "New", then select "Folder".
- 1 Type a name for the folder (Social Studies).

3 Type a name for each folder

اكتب اسمًا لكل ملف



- Press the right button on the folder.
- Select "Rename".
- 3 Type the new name, then press Enter.



NOTES:

Theme

- 1 Place documents, images, and videos in the correct folder.
- 1 It is preferable to give each folder an appropriate title.
- (3) You can give a title to a folder by pressing right-click and select "Rename".
 - و يفضل إعطاء كل مجلد عنوانًا مناسبًا.
 - (ع) يمكنك إعطاء عنوان لمجلد بالضغط على زر الماوس الأيمن واختيار «إعادة تسمية».

The following figures show organized and disorganized file systems.

Organized Files

> My Documents

Home work

Photographs

Spreadsheets

Projects

Disorganized Files



Test Yourself

Complete the following sentences:

- 1 You should give to each file or folder.
- 2 You can add inside the main folder.
- 3 A is used to convert printed images and documents to digital ones.
- 4 To create a new folder, we select "....." from the shortcut menu.
- 5 A helps access information quickly by scanning a code.
- 6 contain printed books, while contain digital books.

أهم الكلمات والمصطلحات			
QR code	رمز الاستجابة السريع	Main folder	ملف رئيسي
Libraries	المكتبات	Sub-folder	للف فرعي
Access	الوصول	Button	نر
Scanner	الماسح الضوئي	Capture a photo	يلتقط صورة

	Choose the correct answer:					
1				era, we use a		
	a. flash memory	b. printer	c. tolder	d. QR code		
-				(الإسكندرية - شرق 2024)		
2	A is					
	a. keyboard	b. printer	c. scanner			
				(القاهرة - مصر القديمة 2024)		
3	To store and share					
	a. flash memory	b. printer	c. scanner	d. QR code		
4		,		ating		
	a. folders	b. sub-folders	c. videos	d. both a and b		
				(القاهرة - الزيتون 2024)		
5	A is					
	 a. digital camera 	b. QR code	c. printer	d. none of them		
6	The first step that he	elps you organ	ize the data on y	our computer is to		
			The state of the s			
7						
	a. keyboard	b. printer	c. microphone	d. scanner		
				(الجيزة - الهرم 2024)		
8	To create a new fol			the shortcut menu.		
	a. Open	b. Paste	c. New	d. View		
				(الإسكندرية - وسط 2024)		
9	To organize our file	s, we should	eac	h folder.		
	a. print	b. remove	c. redo	d. name		
7	a. add a sub-folder c. create the main the	folder s used to inser b. printer der, select " b. Paste	b. type a name d. none of them t images and use c. microphone "from c. New eac	for the folders them later. d. scanner (2024 الجيزة - الهرم 2024) the shortcut menu. d. View (2024 مسط 2024) h folder.		

Role of Information and	Communication	Technology	(ICT) in	Our	Lives
-------------------------	---------------	------------	----------	-----	-------

- To create a main folder, press the button of the mouse, then select "New Folder".
 - a. right
- b. left
- c. none of them

Put (√) or (X):

1 A QR code is used to get information quickly and easily. (

(المنوفية - السادات 2023)

- 2 A printer can be used to insert images into a PC and save them for later use.
 (2024 السوس) (
- 3 We must place documents, images, and videos in the correct folder.

(السويس 2024)

- 4 ICT tools help us manage digital files.
- 5 You can add a main folder inside sub-folders to manage files. (

(الإسكندرية - شرق 2024)

6 We can give a name to a folder by right-clicking, then "Rename".(

(الجيزة - الشيخ زايد 2023)

- 7 Data must be organized on the computer for easy retrieval. (
 الإسكندرية المنتزه أول 2023)
- 8 You can copy, cut, and delete a folder and restore it. (2024 دمياط) (
- 9 It is not possible to add sub-folders inside the main folder.(2024 الدقهلية) (
- 10 The main folder contains sub-folders and files. (2023 الإسكندرية المنتزه ثان (2023) (
- 11 To change the title of a folder, choose the "Delete" command. (

النوفية - تلا 2024) (الفيوم - شرق 2023)

An operating system does not allow you to add a sub-folder inside a main folder.

(2023 الإسكندرية - إدارة وسط 2023)

Arrange the fo	llowing steps:			
b. () c. () d. ()	Type a name for the main folder (Books). Add sub-folders. Put the books in the correct files. Type the names of the folders (Science – Math – History). Create the main folder.			
	missing parts using the words between the			
brackets:				
	odes – scanner – computers – flash nemory – camera – Libraries)			
1 A	helps us store and transfer data and information.			
2 A hel	2 A helps us get images, while a helps us save them on computer.			
3 co books.	ntain printed books, while contain digital			
a phone camera.	lp us access the information by scanning them with			
5 Choose from c	column (A) what suits it in column (B):			
Column (A)	Column (B)			
1 A digital camera	a. helps us enter and store images into a computer.			
2 A QR code				
3 A scanner	c. takes pictures and videos during video chats.			
4 Excel	d. is a quick and easy way to share information.			
1 2				

Test Vourselfon Lessons 5&6

ĺ	Choose the correct answer:
	1 We use to organize files. a. folders b. files c. documents d. images 2 is a program used to prepare presentations. a. MS Word b. MS Excel c. MS PowerPoint d. None of them 3 The is used to input images to the computer. a. speaker b. monitor c. printer d. scanner 4 The first stage of problem solving is a. defining the problem b. the router
	c. the internet d. planning
	A helps us access information by scanning it with a phone camera.
	a. QR code b. printer c. router d. mouse
	 When a computer slows down on opening an app, a. check for software updates b. restart the router c. check the Wi-Fi d. none of them
	7 If there is no internet connection, check if the is connected first.
	a. app b. computer c. router d. camera
	Put (✓) or (X):
	1 To solve a problem, think of only one way to solve it. 2 To create a new folder, click on "Rename". 3 Outdated apps never affect the browser speed. 4 We can't create a folder for games. 5 Deleting unwanted applications can improve the computer performance. 6 To organize our files, we shouldn't name each folder. 7 A scanner is used to save images on the computer to use later. 8 Slow downloads can be caused by a weak Wi-Fi signal.

October Exam © Lessons (1-6)

D	Choose the correct answer:
3	ne help(s) the visually impaired get audio feedback. (2024 عليه المقامرة - المعادي م. Braille b. Keyboard c. E-commerce d. Screen readers One of the steps to solve a problem is to
	A/An connects the laptop to the router. (2024 الإسكندرية - العجمي 2024) a. ethernet port b. HDMI c. CPU d. ethernet cable Put (✓) or (✗):
1 2 3	A gigabyte equals 1024 bits. (2024 مياط الجديدة 2024) () Bluetooth works over a long range. (2024 الدقهلية - بلقاس 2024) () () Checking the Wi-Fi signal on your device is one solution to the browser running slow. (2024 ()) () () () An ethernet is more stable and faster than Wi-Fi. (2024 ()) () () The main folder contains sub-folders and files. (2024 ()) () () () () () () () ()

- >>> When searching for information, you are constructing knowledge.

 So, it is important to do the following:
 - عندما تبحث عن المعلومات، فإنك في الواقع تبني معرفة؛ لذلك من المهم عمل الآتي:
- 1 Plan your searches.

أن تُخطِّط لأبحاثك.

TOTOTOTO I

- Analyze your information.
 - تُحلِّل المعلومات التي تعثر عليها.



3 Check the information you find critically.

تتحقُّق من المعلومات بأسلوب ناقد.

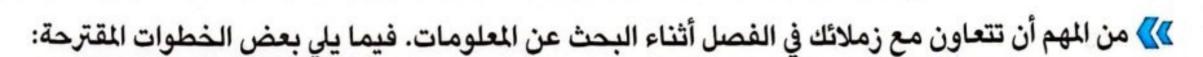


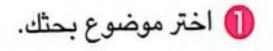
- >>> The internet is very big and you must decide exactly what information you want.
- A lot of the information you find when searching will also need to be evaluated, selected, and organized. So, you will need to process and organize this information before completing your work.
 - ₹ تحوي شبكة الإنترنت كمًّا هائلًا من المعلومات، وعليك أن تحدد بدقة المعلومات التي تسعى إلى التوصل إليها.
 - المعنى أنك ستحتاج إلى معالجة المعلومات وتنظيمها أثناء بحثك إلى الخضوع لعمليات: تقييم، وانتقاء، وتنظيم، ما يعنى أنك ستحتاج إلى معالجة المعلومات وتنظيمها قبل إكمال عملك.

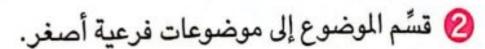


How do you search for information online?

- >>> It is important to work collaboratively with classmates when searching for information. Here are some suggested steps:
 - 1 Decide on a topic.
 - Break the topic down into smaller subtopics.
 - Share your knowledge with your classmates.
 - What do you know about it already?
 - What do you not know?
 - ② Decide who is going to search for which information.
 - It is good practice for two people to search for the same information and then share and contrast their results.
 - Obecide on keywords for searches about the sub-topics.
 - It is not a good idea to use full sentences when searching.
 - 6 Share your results.
 - Decide how to select and organize the information, and then how to organize it for presentation.







- وما المعلوماتك مع زملائك في الفصل (ماذا تعرف حتى الآن؟ وما المعلومات التي تنقصك؟).
- عَيِّن لكل زميل معلومات يبحث عنها. من الجيد أن يبحث زميلان عن العلومات نفسها، ثم يتشاركان نتائجهما وبياناتهما.
- ولى حدِّد كلمات مفتاحية Keywords للبحث عن الموضوعات الفرعية؛ إذ لا يُنصح باستخدام جُمَل كاملة أثناء البحث.
 - شارك نتائجك، وحدِّد كيفية انتقاء المعلومات وتنظيمها، ثم كيفية تنسيقها من أجل إعداد عرض تقديمي.

ICT Prim. 5 - First Term 555



Lesson



Remember

Theme

When searching online:

- 1 Use the same strategies as above.
- Try using different keywords with similar meanings (synonyms of the words).



- عند البحث عبر الإنترنت، استخدم نفس الإستراتيجيات المذكورة أعلاه.
- @ حاول استخدام كلمات مفتاحية Keywords مختلفة ذات معانِ متشابهة (مرادفات الكلمات).

Test Yourself

Complete the following sentences:

- It is not recommended to use when searching.
- 3 It is recommended to use keywords with keywords with meanings when searching.

	والمصطلحات	أهم الكلمات	
Decide	ئقرُّر	Selecting	انتقاء
Plan	تُخطَط	Organizing	تنظيم
Analyze	تُحلُل	Topic	بوضوع
Check	تتحقق	Knowledge	معرفة
Evaluating	تقييم	Keywords	الكلمات المفتاحية

	Choose the correct ans	wer:	_
1	The contains a	huge amount of information.	
	a. data b. interne		
		بيزة - العمرانية ٢٠٢٣)	(الج
2	The internet is very big, to no	rrow down your search terms, you wou	ıld
	use keywords.		
	a. specific b. genero	c. both of them d. none of them	
3	In the search strategy, you mu	st first	
	a. share your results	b. decide on keywords	
	c. break the topic into subtop	ics d. decide on the topic (2023 وفية	(المن
4	It is not a good idea to use	when searching about subtopic	s.
	a. full sentences b. keywo	rds c. synonyms d. none of them	
5		cify to search for subtopi	
	rather than using large senter	ويزة - الشيخ زايد 2023. ces or whole sentences. (2023	(الج
	a. keywordsb. interne		
6	When searching for informati	on, you must first	
	a. decide on the topic	b. analyze the information	
	c. organize your work	d. none of them (2024 مكندرية - المنتزه أول 2024)	(الإ
7	When we are searching, we	break the topic into subtopic	
		c. wide d. zero	
		ييزة - أبو النمرس 2023)	(الج
8	When searching online, try to	use different keywords with	
	meanings.		
	a. different	b. similar	
	c. none of them	d. both of them	

Role of Information and Communication Technology (ICT) in Our Lives
9 To conduct a search with your classmate, you should break the topic in
پ سويف 2023)
a. larger topics b. keywords c. results d. subtopics
Put (√) or (x):
1 You should analyze information critically when searching online. (
2 The first thing to do when conducting a research is to divide the
research into subtopics. (2023) (القاهرة - حدائق القبة 2023)
3 When searching for information, it is important to plan your searches
first. (
4 It's a good idea for classmates to search for the same information and
compare the results.
5 You must evaluate, select, and organize the information you find.(
ابحيرة 2023)
6 The internet has a limited amount of information. (
7 Breaking the topic down into smaller subtopics is not important when
you search for information. (
8 Using full sentences is a good idea when searching for any topic.
9 Using synonyms for keywords can help you get relevant results.
10 It is not important to analyze and check the information you are collecting
via the internet. (2023) (الإسكندرية - العجمي 2023)
Arrange the following steps to conduct an online search
a. (
b. () Decide on a topic.
c. () Decide on keywords.
d. (

Sharing Information

- >>> We can share information online through:
 - 1 The internet
- 2 The intranet

Internet

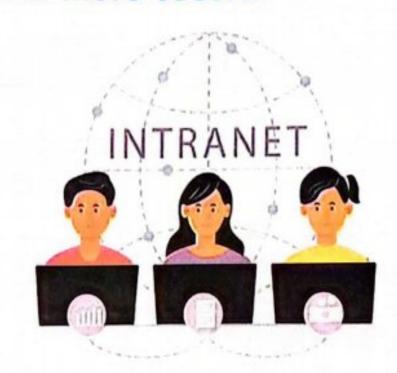
- The internet is used to share information over the web (an open network).
- 2 It is less secure.



المعلومات عبر شبكة مفتوحة، وهي أقل أمانًا.

Intranet

- The intranet is used to share information in a closed network.
- @ It is more secure.

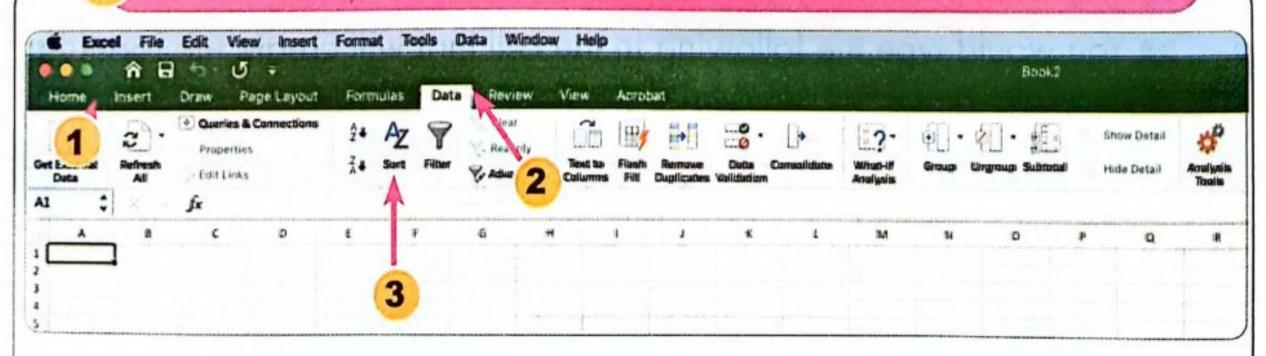


تستخدم لمشاركة المعلومات عبر شبكة مغلقة، وهي أكثر أمانًا.



Using Microsoft Excel

1 Sorting information in an alphabetical order

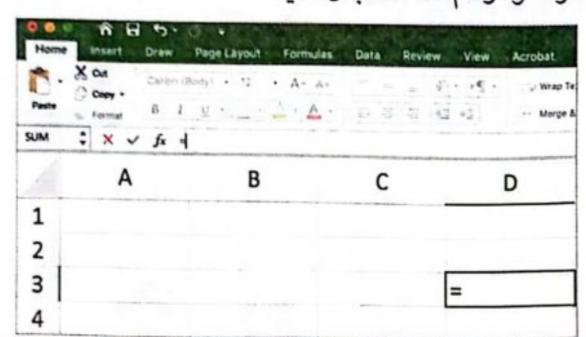


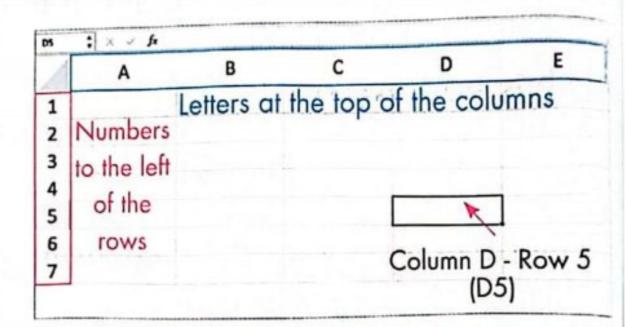
So to the toolbar and click on "Data". Then click on "Sort".

₩ اذهب إلى شريط الأدوات (Toolbar)، وانقر على علامة التبويب «بيانات» (Data)، ثم على «فرز» (Sort).

2 Setting formulas in cells

- >>> You can set a formula to add (+), subtract (-), multiply (x), or divide (/):
 - Click on the cell you want to set a formula.
 - 2 Type "=" in this cell. This tells Excel you are creating a formula.
 - 3 Decide which cells are in your formula, reference the letters and numbers of each cell.
- انقر على الخلية التي تود إنشاء معادلة فيها، ثم اكتب علامة "=" في الخلية، هذا يخبر برنامج إكسل بأنك ستنشئ معادلة. حدّد الخلايا التي تود إدراجها في المعادلة، وقم بالإشارة إلى الأحرف والأرقام الخاصة بكل خلية.



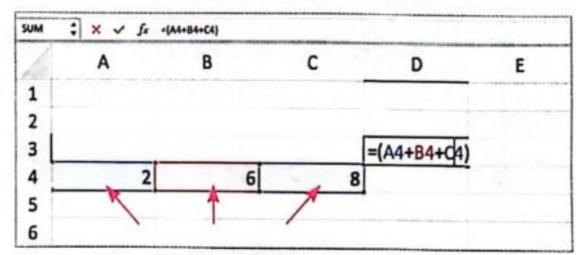


- In Excel, a cell is named using a combination of a letter and a number.
- The letters are at the top of the columns and the numbers are on the left side of the rows.
 - في Excel، يتم تسمية الخلية باستخدام مزيج مُكوَّن من حرف ورقم.
 - الأحرف في أعلى الأعمدة، والأرقام على الجانب الأيسر من الصفوف.

Example 1:

- >>> You want to add the data from columns A, B, and C, row 4.
- >>> You would type the following in the cell that will create the formula:

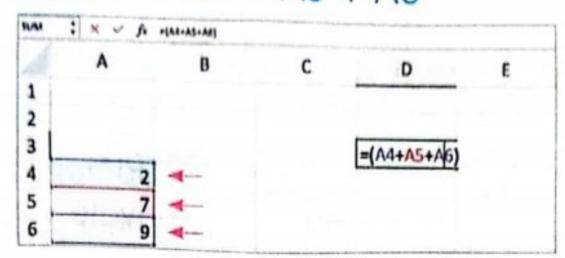
$$= A4 + B4 + C4$$



◄ نفترض أنك تريد جمع القيم الواردة في الأعمدة A,B,C من الصف 4، في هذه الحالة ستكتب ما يلي في الخلية التي ستنشئ لك المعادلة A4 + B4 + C4 =

Example 2

- Add numbers from the same column (A), but different rows (4 6).
- The formula will be: = A4 + A5 + A6



▼ لإضافة أرقام من العمود نفسه (A) لكن من صفوف مختلفة (6-4)، ستكون المعادلة A6 + A5 + A6 =

Test Yourself

Complete the following sentences:

- 1 The is used to share information in a closed network, and it is more secure.
- 2 program is used for creating tables and setting up formulas.
- 3 In Excel, columns are labeled by, while rows are labeled by
- 4 To make a formula in Excel, we type in the cell.
- 5 The operator is used in Excel to perform division.
- 6 The name of a in Excel is a combination of letters and numbers.

أهم الكلمات والمصطلحات			
Secure	أمان	Alphabetical order	ترتيب أبجدي
Closed network	شبكة مغلقة	Columns	أعمدة
Opened network	شبكة مفتوحة	Rows	صفوف
Toolbar	شريط الأدوات	Cells	خلایا
Data	البيانات	Formula	صيغة (معادلة)

Exercises on Lesson

	Choose the co	rrect answe	er:	
	The internet is a/c	b. closed	c. private المنتزه أول 2023)	d. all of them فاهرة - النزهة 2023) (الإسكندرية -
2	is a	private netwo	rk that connects	people at work or hom
	only.			جيزة - العمرانية 2024)
	a. Global Networ	k b. EKB	c. WWW	d. Intranet
3	The more secure s	haring in a clo	osed network is	called
	a. intranet	b. internet	c. WWW	d. none of them
			- شرق 2023)	جيزة - ٦ أكتوبر 2024) (الإسكندرية
4	is a	network used	to share inform	ation, and is less
	secure.			
	a. Email	b. Internet	c. Intranet	d. Network
	وفية - السادات 2023)	ط الجديدة 2024) (المن	ية - طنطا 2024) (دمياه	هاهرة - مصر القديمة 2024) (الغرب
5	Sharing information intranet.	on via the inter	net is considere	d than th
	a. unreliable	b. less secur	e c. more secu	re d. none of them
			ه أول 2023)	فليوبية 2024) (الإسكندرية - المنتز
6	is u	sed to perform	simple formula	s.
	a. Excel	b. Zoom	2000	d. PowerPoint
		(الدقهلية 2023)	درية - المنتزه أول 2023) (يوط - إدارة الفتح 2024) (الإسكند
7	To create a simple	formula in Exc	cel, use the "	" sign.
	a. +	b. /		d. =
	كندرية - وسط 2023)	بوم - شرق 2023) (الإس	درية - شرق 2023) (الفيا	سكندرية - العجمي 2024) (الإسكنا
8	When arranging i	nformation alp		
	a. copying	b. toolbar	c. layout	d. cells
				سرقية - شرق الزقازيق 2024) (الإس

Put (√) or (✗): 1 You can share information using the intranet or the internet. () 2 The intranet is more secure and private than the internet. () (2024 الشرقية - شرق الزقازيق 2024) 3 The intranet is used to share information in an open network. (2024 الفردقة 2024) ()					The state of the s
10 The top of the columns in Excel are	9	To perform division	n in Excel, use	the "	" sign.
a. numbers b. letters c. both of them d. none of them 11 The left side of the rows in Excel are		a. +	b	C. *	d. /
11 The left side of the rows in Excel are a. numbers b. letters c. both of them d. none of them 12 To arrange information alphabetically in Excel, go to the toolbar, and click on "Data", then click on "". a. Layout b. Format c. Sort d. Save 13 A cell in column B and the third row of the cell is called	10	The top of the colu	mns in Excel a	re	(الإسكندرية - شرق 2023)
a. numbers b. letters c. both of them d. none of them 12 To arrange information alphabetically in Excel, go to the toolbar, and click on "Data", then click on "		a. numbers	b. letters	c. both of them	d. none of them
12 To arrange information alphabetically in Excel, go to the toolbar, and click on "Data", then click on "	11	The left side of the	rows in Excel	are	
and click on "Data", then click on "		a. numbers	b. letters	c. both of them	d. none of them
a. Layout b. Format c. Sort d. Save 13 A cell in column B and the third row of the cell is called	12				o the toolbar,
a. A3 b. 3B c. B3 d. 5B (2024 الفاهرة - الزيتون 1974) 14 If you want to sum the values in columns A, B, and C from row 4, the formula is		a. Layout	b. Format	c. Sort	d. Save
a. A3 b. 3B c. B3 d. 5B (2024 الفاهرة - الزيتون 14 lf you want to sum the values in columns A, B, and C from row 4, the formula is	13	A cell in column B	and the third r	ow of the cell is co	lled
14 If you want to sum the values in columns A, B, and C from row 4, the formula is	93				Magnetic Report and the Control of t
formula is					(القاهرة - الزبتون 2024)
formula is	14	If you want to sum	the values in c	columns A, B, and	C from row 4, the
15 In Excel, cell D 10 is the intersection of					(المنوفية - تلا 2024)
a. column 10 and row D c. column D 10 and row 10 D d. none of them (2024 مين الكوم 10 و المنوفية - شين الكوم 10 و المنوفية 10 و المن		a. = A4 + B4 + C4	4 b. A4 + B4 + C	24 c. A4 B4 C4	d. = A4 - B4 - C4
a. column 10 and row D c. column D 10 and row 10 D d. none of them (2024 ماليوفية - شبين الكوم 2024 ماليوفية - شبين الكوم 10 b. column D and row 10 d. none of them (2024 ماليوفية - شبين الكوم 4, 5, and 6, the formula is	15	In Excel, cell D 10	is the intersect	ion of	
16 If you want to subtract data for column A, rows 4, 5, and 6, the formula is					
formula is		c. column D 10 an	d row 10 D	d. none of them	(المنوفية - شبين الكوم 2024)
a. = A4 - A5 - A6 c. A4 - A5 - A6 = Dut () or (): You can share information using the intranet or the internet. The intranet is more secure and private than the internet. (2024 والشرقية - شرق الزقازيق (2024) The intranet is used to share information in an open network. (2024 والفردقة 2024) You can add or subtract any numeric data using Microsoft Excel.	16			olumn A, rows 4, 5	, and 6, the
d. = A4 + A5 + A6 (2024 القاهرة - المعادي 2024) Put (b. = A4 / A5 / A	A6
Put (√) or (✗): 1 You can share information using the intranet or the internet. () 2 The intranet is more secure and private than the internet. () (2024 الشرقية - شرق الزقازيق 1024) 3 The intranet is used to share information in an open network. (2024) (2024)					
1 You can share information using the intranet or the internet. () 2 The intranet is more secure and private than the internet. () (2024 الشرقية - شرق الزقازيق 2024) 3 The intranet is used to share information in an open network. (2024 الفردقة 2024) ()		C. //4 / //C / //C			•
2 The intranet is more secure and private than the internet. () (2024 الشرقية - شرق الزقازيق 12024) 3 The intranet is used to share information in an open network. (2024) () 4 You can add or subtract any numeric data using Microsoft Excel. ()	F	ot (1) or (1):			
2 The intranet is more secure and private than the internet. () (2024 الشرقية - شرق الزقازيق 12024) 3 The intranet is used to share information in an open network. (2024) () 4 You can add or subtract any numeric data using Microsoft Excel. ()	4	You can share info	rmation using t	he intranet or the i	nternet. (
(الشرقية - شرق الزقازيق 2024) The intranet is used to share information in an open network. (2024 الفردقة 2024) () You can add or subtract any numeric data using Microsoft Excel. ()					
The intranet is used to share information in an open network. (2024 الغردقة 2024) (You can add or subtract any numeric data using Microsoft Excel. (2	The infrared is more	s secure unu p	(1) The line (1)	(الشرقية - شرق الزقازية, 2024
(الغردقة 2024) () (الغردقة 2024) () You can add or subtract any numeric data using Microsoft Excel. ()	9	Th	to above infor		
4 You can add or subtract any numeric data using Microsoft Excel. (3	ine intranet is used	lo share infor	manon in an open	(الغدقة 2024)
You can add or subtract any numeric data using Microsoft Excellent	-	V 11 1		ria data usina Micr	
The second of th	4	You can add or sub	tract any nume	· II I I I	
5 In Excel, we cannot arrange data in cells alphabetically.	5	In Excel, we cannot	arrange data	in cells alphabetic	(2024 3 th att 5 to 11)
(الجيزة - العمرانية 2024)					(الجيرة - العمرانية 2024)

Role of Information and	Communication	Technology	(ICT) i	n Our Live	es
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- 6 To create a formula in Excel, we use the "=" sign.
- 7 The left side of the rows in Excel are numbers. (2024 الإسكندرية شرق 2024) (
- 8 To create a simple formula, we select the cell and then type the "÷" sign
- 9 Columns in Excel are labeled with numbers. (2024 البحيرة دمنهور 2024) (
- 10 The cell in Excel can contain only numbers.

النزمة - النزمة 2023)

11 We can arrange the information alphabetically in Excel using the $S_{0\eta}$ property.

Complete the missing parts using the words between the brackets:

(addition - subtraction - division - letters - numbers - Sort)

- 1 The information can be arranged alphabetically by the...... proper
- 2 We use the formula ÷ for the process.
- 3 We use the formula + for the process.

Choose from column (A) what suits it in column (B):

Column (A)	Column (B)		
1 The internet	a. can help in arranging the information alphabetical		
2 The intranet	b. is used to subtract two or more cells in Excel.		
3 Sort	c. is used to share information in an open network.		
4 +	d. is used to start any formula using Excel.		
5 -	e. is used to share information in a close network.		
6 =	f. is used to add two or more cells in Excel.		
1	2		
4	5 6		

Test Vourselfon Lessons 7&8

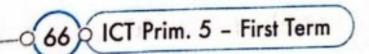
Cho	ose the cor	rect answe	r:				
1 When a cell in Excel sheet is in B column and in the second row, this cell is labeled							
a. (b. 2C	c. B2	d. A2	ردبيوند الجديد		
	You can arrange information alphabetically in Excel from						
	Cells	b. toolbar		d. Save			
				ون 2024)	(القاهرة - الزيت		
3	is use	ed to create ma	ith tables and gra	phs.			
a. V	Vord		c. PowerPoint		of them		
				(2024	(الجيزة - الهرم ا		
4 Sha	4 Sharing information over the World Wide Web is						
(TAME 12.2	nore secure		b. less secure				
	ompletely secur		d. highly secure		(أبناؤنا في الخار		
100			you must first		357 (2)		
	 a. Decide on a topic. b. analyze information 						
	rganize the wo			d. none			
459		to share in a/a	nnetwork,	, and is mo	re secure.		
a. o			b. closed	arian a			
	nline		d. public	(2	(الدقهلية 024		
1000	erform simple f		4	1	1,174		
a. Po	owerPoint	b. Excel	c. Word	d. a scar	iner		
Put (√) or (X):				al son		
1 You	cannot do sime	le math formul	as in Excel.	(الدقهلية 2024)	()		
	You cannot do simple math formulas in Excel. (2024) () Evaluating, selecting, and organizing information is unnecessary. ()						
	The "+" symbol is the division sign. (2024) (
	The rows in MS Excel are labeled with letters. (2024 القليوبية 2024)						
4,00	The internet is used to share over the web and is more secure.						
11101	incitioi is osca				ر أسيوط 2024		
6 🔒 🔾	raanizina infor	mation for pres	sentation is not ne	ecessary.	()		
7 Colu	 Organizing information for presentation is not necessary. () Columns in Excel are labeled with numbers. (2024 الفربية - طنطا 2024) () 						
8 We co	innot sort informati	on in an alphabet	ical order in Excel. (20	ر. (الحيزة العمرانية 24	(i		
11000		on in an aiphaean		ICT Prim. 5 – Fir			

Lesson 1

- >>> Fred Hiebert is an archaeologist and explorer at National Geographic.
- He uses MS Word to write reports, Excel to prepare and show graphs, and PowerPoint to present the results of his researches.
- >>> Fred Hiebert communicates formally using:
 - 1 Printed letters 2 Emails 3 Handing over documents in-person
- Mentoring is advising or training someone on a subject you have a lot of experience in.
- >>> Mentoring is a way to share knowledge, skills, and experiences with others.
- >>> Types of Meetings:
 - 1) Face-to-face meetings: are the preferred way of communication for Mr. Hiebert.
 - Virtual meetings: To hold virtual meetings, we use platforms, like Zoom and WhatsApp.
- >>> If people are in different countries, we hold virtual meetings.
- >> Virtual meetings may be difficult due to the time differences between countries.
- Mr. Hiebert recommends following up virtual meetings and phone calls with official notes, sent as an email or Word document, this ensures everyone has the same information and a copy to keep.

Lesson 2

- >>> Flash Memory: It transfers files and data between computers.
- >>> External Hard Drive: Like HDD, but much faster.
- >>> Ethernet Cable: It connects a computer or laptop to a router.
- Ethernet Port: It connects an ethernet cable. Ethernet is more stable and faster than Wi-Fi.
- >>> Router: It is a device that connects a computer to the internet via ethernet or Wi-Fi



>>> HDMI: It transmits audios and videos from/to devices.

1 Bit	The smallest unit of data	0 or 1
Byte	1 Byte = 8 bits = 1 character	"Cat" = 3 characters = 3 bytes
3 Kilobyte (KB)	1 KB = 1024 B	
Megabyte (MB)	1 MB = 1024 KB	
6 Gigabyte (GB)	1 GB = 1024 MB	
(TB)	1 TB = 1024 GB	

- Megabits per second (Mbps): It measures the speed of a network or the internet connection.
- >> The faster the speed, the better the internet connection.
- GigaHertz (GHz): It measures the number of cycles your CPU carries out per second.
- >> The higher the number of cycles, the faster the speed.

Problem	Reason	Solution
1 Trouble processing large files (Like a large PowerPoint presentation)	 Not enough graphics storage 	• Shut down some programs.
2 Not able to store files	• Not enough space	 Move old files to an external drive.
3 A poor video- conference connection	Slow wireless internet connection	• Try an ethernet connection.
4 The home internet connection is not working.	 Connection interrupted 	Use the ethernet or contact your ISP. (Internet Service Provider)

SUMMARY on Theme

Lesson 3

- Networks: They are groups of people or things that are connected to each other for a common purpose.
- Local Area Network (LAN): It consists of a computer connected to another computer or device, such as a printer or router.
- >>> Internet: It connects millions of computers from all around the world.
- To connect a computer to the internet, we need a gateway, such as a route;
- » Router: It connects your computer to an ISP to provide internet access.
- >>> The ISP: It is a company that provides the internet service to the customers
- World Wide Web (WWW): It is a part of the internet network, and it made up of web pages and sites that people can navigate.
- Intranet: It is private, and restricted to only those who are part of the business, school, or organization.
- >>> Open Network: It is open and accessible to all, such as the web.
- Closed Network: It may have only computers linked by a cable to allow file sharing, such as a school's computer lab.
- >>> History of Communication Technology:
 - 80s: They used phone lines to connect to the internet; this was slow by stable.
 - Late 80s: DSL allows phones and the internet to be used simultaneously
 - 90s: Emergence of the World Wide Web (WWW).
 - 2000+: Wi-Fi and Hotspots (They both allow internet access anywhere from your smartphone).

Lesson 4

- >>> We use closed networks to share private information.
- >>> We use open networks to share public information.
- >>> Internet of Things (IoT): It consists of devices linked to the internet via Wi-fi
- >>> Bluetooth: It is a networking technology that connects wireless mobile devices over a short range to form a network to transmit data between different devices

- You should ask your parents before going shopping online.
- Screen Readers: They help visually impaired people write research papers, do homework, and access files and documents on PCs.
- » Braille Method: It helps blind people read and write.
- E-commerce: It's online shopping, where people can buy and sell products.

Lesson 5

- >> Follow this troubleshooting process to help with computer problems:
 - 1 Identify the problem.
 - Plan different ways you might solve the problem with
 - 3 Go through your potential solutions.
 - 4 If you do not find a solution, you should ask your teacher or a member of your family for help.



Problem	Solution
1 The computer slows down when opening an app.	 Shut it down and restart it. Check for software updates. Delete unwanted apps.
2 The browser is running slow.	 Check the Wi-Fi signal. Make sure apps are up-to-date on your device.
3 No internet connection	 Use the software to troubleshoot your Wi-Fi connection. Check that the router is connected. Restart your router. Try a new ethernet cable. Contact the customer service of your ISP for help.
4 Slow to download	 Restart your computer and router. Check the internet speed.

SUMMARY on Theme



- There are many ways to find information, such as QR codes, libraries, the internet, and TV.
- QR codes help us access the information easily and quickly by scanning the code with a camera phone.
- >> Scanner: It saves images and documents on a computer for later use.
- >> Flash Memory: It stores and shares information and data.
- >> How to get organized using ICT tools?
 - 1 Create the main folder:
 - Press the right click >>> New >>> Folder
 - Then, type a name for the folder.
 - 2 Add sub-folders:
 - Open the main folder > press right click > select New > then select Folder.
 - Type a name for the folder.
- >> You can give a title to a folder by pressing a right click then "Rename".

Lesson 7

- >>> When searching for information:
 - 1 Plan your searches.
 - Analyze the information you find.
 - 3 Check the information you find critically.
- >>> How do you search for information online?
 - 1 Decide on a topic.
 - Break the topic down into smaller subtopics.
 - 3 Share the knowledge with your classmates.
 - 4 Decide who is going to search for which information.
 - It is good practice for two people to search for the same information and then share and contrast their results.

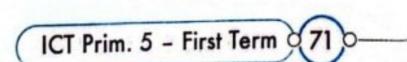


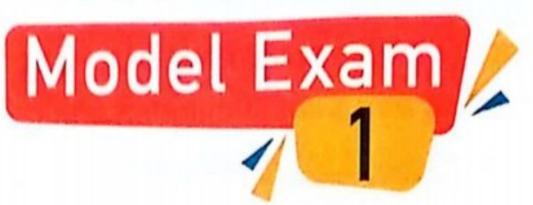
- 6 Decide on keywords for searches about the subtopics.
 - It is not a good idea to use full sentences when searching.
- 6 Share your results.
- Note: Try using different keywords with similar meanings (synonyms of the words).



- Intranet: It is used to share information in a closed network, and it's more secure.
- Internet: It is used to share information over the web in an open network, so it's less secure.
 - Sorting information in Excel:
 - Go to the toolbar and click on "Data", then click on "Sort".
 - Setting formulas in cells:
 - Type (=) in this cell. This tells Excel you are creating a formula.
 - You can set formula to add (+), subtract (-), multiply (x), or divide (/).
- >> In Excel, a cell is named using a combination of a letter and a number.
- The letters are at the top of the columns and the numbers are on the left side of the row.







		Choose the cor	rect answe	r:	
	1	■ Fred Hiebert is a	a/an		
		a. biologist	b. scientist	c. doctor	d. archaeologist
	2	is a	networking tec	chnology that conn	ects wireless mobile
		devices over a sho			
		a. Internet Service	Provider	b. Internet of Thir	ngs
		c. Bluetooth		d. WAN	(القاهرة - المعادي 2024)
	3	The solution to fix o	slow downlo	ad is to	
		a. check the internet	speed	b. delete apps	
		c. free space		d. none of them	
	4	When searchin	g for subtopic	s online, use	instead of
		whole sentences.			
		a. keywords	b. emojis	c. phrases	d. images
	5	The internet is	netw	vork(s).	
		a. an open	b. a closed	c. both of them	d. none of them
		2t (() am (v).			
/	!	Put (/) or (X):			
	1	The internet is a ne	twork that con	nects computers a	nd people globally.
					(
	2	Ethernet is more sto	able and faster	than Wi-Fi. (2	(الجيزة - الهرم 024
	3	Gigabytes are used	to measure the	number of cycles. (2	(الجيزة-كرداسة 024
	4	To rename a folder,	, we select "N	ew" from the short	cut menu. (
					المنوفية - شبين الكوم 2024)
	5	A LAN is a network	that connects	computers from a	
					1

Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 Hotspot	a. is a reliable source available for free to all Egyptians.
2 EKB	b. has a slow connection that won't allow you to use the phone.
3 ISP	c. is a company that provides internet service to customers.
4 Dial-up	d. is a network used to share information and is more secure.
5 Intranet	e. allows you to access the internet anywhere from your mobile.

Made			
Mode	el E	xar	\mathbf{n}
		0	
	11	-)	

Choose the correct answer:

1	A gigabyte equals a. 1025		megabytes. c. 1024	الإسماعيلية - إدارة شمال 2024) d.1030
2	You can create a shortcut menu.	new folder	by selecting "	from the
	a. Open	b. Copy	c. New	d. Rename
3	We can store and a. screen	share informa	ation through a b. flash memo	
	c. printer		d. QR code	*
4	When we are sear			d. random

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REVISION on Theme

5	If you want to sum th	ie values	in	columns	Α,	В,	and	С	from	row	4, 1
	formula will be										

$$a = C4 + B4 + A4$$

$$b. = C4 - B4 - A4$$

$$c. = A4 + B4 + C5$$

$$d_{\cdot} = 4A + 4B + 4C$$

- 6 Select "...... " from the shortcut menu to create a new folder.
 - a. Paste

b. Copy

c. New

d. Open

كندرمة - المنتزه أول 2023)

- - a. identifying the problem
 b. studying the solutions
 - c. testing the solution
- d. assigning tasks

Put (\checkmark) or (x):

- 1 Pace-to-face meetings are always available.
- 2 One of the possible solutions to the problem of a browser running slow to make sure the apps on your device are up-to-date.

(المنوفية - شبين الكوم 2024)

- 3 A school's computer lab could have its own closed network.
- The technology that connects mobile devices wirelessly over a sho range is called IoT. (دمياط الجديدة 2024)
- The internet is more secure and private than the intranet.
- Both the hard disk and flash memory are used for the same purpose.(
- To connect a computer to the internet, you should use a gateway. (
- 8 It is important to ask permission from your parents before buying onlin

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Choose the c	orrect answe	r:	
	conducts	using plat	forms, like Zoom and
a. virtual meetii	ngs	b. face-to-face	meetings
c. TV programs		d. none of then	n
2 is	s a part of the inte	rnet metwork, mo	ade up of web pages.
			(القاهرة - المستقبل 2024)
a. A website	b. WWW	c. Internet	d. LAN
3 The	consists of ho	usehold devices	that are connected to
Wi-Fi.			
a. Bluetooth	b. internet	c. computer	d. Internet of Things
4	is used to prepare	calculation table	es.
a. Zoom	b. Word	c. Excel	d. PowerPoint
			(الإسماعيلية - إدارة شمال 2024)
People of determination of a second of the s	mination useb. glasses	c. Zoom	them with shopping. d. running blades
Put (√) or (X)			
	oe scanned with c	mobile to get in	formation quickly and
easily.			
2 Restarting the r	router is one of t	he ways to solv	e the slow download
problem.			()
3 Rows in Excel o	re labeled with le	etters.	(دمياط 2024)
4 Full sentences c	an be too broad	and can give irre	elevant results. (
5 We use Zoom o			The state of the s
			ICT Prim. 5 - First Term 75

Complete the missing parts using the words between the brackets:



..... method allows blind people to read.

Choose the correct answer:

1	is o	a device that co	onnects a comput	er to the internet vic
	Wi-Fi ethernet.			النوفية - تلا 2024)
	a. A cable	b. A router	c. An ethernet co	abled. HDMI
2	is c	networking ted	chnology that con	nects wireless mobile
	devices.			
	a. Bluetooth		b. Ethernet cabl	е
	c. WAN		d. Scanner	
3	A is	s used to insert	images and files i	nto a computer.
	a. scanner	b. printer		d. QR code
4	is u	sed to sort date	alphabetically a	nd organize data.
	a. Word	b. PowerPoir		d. Excel
				الفاهرة - مصر القديمة 2024)
5	Businesses and sensitive informati		use	
	a. private	b. closed	c. public	d. both a and b

اجيزة - الشيخ زايد 2024)

0	Put	(1)	or	(X)):
					_

- Mentoring is a powerful way to share your knowledge and skills with others.
- 2 The internet is a public network, while the intranet is a private network.
- 3 The first step to solve a problem is to identify it.

(القاهرة - عين شمس 2024)

- Using full sentences is a good idea when searching for any topic.
- 5 You can't add a sub-folder inside a main folder to manage files. ((الإسكندرية - وسط 2024)

Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 Excel	a. contains a huge amount of information.
2 Gateway	b. is used to arrange information alphabetically in Excel.
3 Sort	c. is used to divide the values of two cells in Excel.
4 /	d. is essential for connecting your computer to the internet.
5 The internet	e. is a software program that is used to perform simple formulas.
1 2	3 4 5



Choose the correct answer:

1		is	used	to	make	attractive	presentations.	
---	--	----	------	----	------	------------	----------------	--

a. Internet

b. A scanner c. Paint

d. PowerPoint

(أبناؤنا في الخارج 2024)

ICT Prim. 5 - First Term

2	A/Anvia Wi-Fi.	is a gateway	that connects a	com	puter to the - شرق 2024)	
	a. router	b. HDMI	c. ethernet co	able		
3		f problem solving				
	a. the internet	•	b. a router			
	c. defining the		d. getting a			
4		when searching	for information	is to		······ •
	a. share your		b. analyze thed. identify the			
	c. report the re					s out no
2	second.	measures the nun	nber of cycles y	/OUI V		e Our pe لبحيرة - دمن
	a. GHz	b. Mbps	c. Byte		d. Bit	3
	Put (\checkmark) or (x)):				
1	ICT tools help	us manage digita	l files			1
4		us mundue didno	111103.			1
2				4		1
2		unit of measure f		ed.	رة الفتح 2024)	سمط-ادا
	A kilobyte is a	unit of measure f	or network spee		رة الفتح <mark>2024)</mark> homework	
3	A kilobyte is a Braille method	unit of measure f	or network spee	their	homework	.(
3	A kilobyte is a Braille method The row title h	helps blind student as a number.	for network spec	their	homework أ الفيوم - شرق 23	.(
3	A kilobyte is a Braille method The row title h	unit of measure f	for network spec	their	homework أ الفيوم - شرق 23	.(
3 4 5	A kilobyte is a Braille method The row title h You must type	helps blind student as a number. (=) to create a for	for network spec ts read and write rmula in Excel.(2	their (20) ط 2024	homework ألفيوم - شرق 23 (الإسكندرية - وس	.(
3 4 5	A kilobyte is a Braille method The row title h You must type	helps blind student as a number.	for network spec ts read and write rmula in Excel.(2	their (20) ط 2024	homework ألفيوم - شرق 23 (الإسكندرية - وس	.(
3 4 5	A kilobyte is of Braille method The row title has You must type Complete the brackets:	helps blind student as a number. (=) to create a for	for network specials read and write mula in Excel.(2	their (20)	homework الفيوم - شرق 23 الفيوم - شرق 23 (الإسكندرية - وسا	.(
3 4 5	A kilobyte is of Braille method The row title has You must type Complete the brackets: (HDMI - A	helps blind student as a number. (=) to create a for missing parts Abps - router - e	ts read and write rmula in Excel.(2 s using the w	their (20) 2024 b ords	homework الفيوم - شرق 23 (الإسكندرية - وسا s betwee memory)	n the
3	A kilobyte is of Braille method The row title has You must type Complete the brackets: (HDMI - A	helps blind student as a number. (=) to create a for	ts read and write rmula in Excel.(2 s using the w	their (20)	homework الفيوم - شرق 23 الفيوم - شرق 23 الإسكندرية - وساع s betwee memory) d information	n the
3 4 5	A kilobyte is of Braille method The row title has You must type Complete the brackets: (HDMI - A	helps blind student as a number. (=) to create a for missing parts Abps - router - e helps us store of	ts read and write mula in Excel.(2 s using the way and transfer date	their (20)	homework الفيوم - شرق 23 (الإسكندرية - وسا s betwee memory)	n the
3 4 5	Braille method The row title h You must type Complete the brackets: (HDMI - MA A	helps blind student as a number. (=) to create a for missing parts Abps - router - e helps us store of the missing parts ng is known as	ts read and write mula in Excel.(2 s using the way and transfer date	their (20)	homework الفيوم - شرق 23 الإسكندرية - وسادة betwee memory) d information (124 أدارة شمال 124 أحدارة شمال 124	n the
3 4 5	Braille method The row title h You must type Complete the brackets: (HDMI - MA A	helps blind student as a number. (=) to create a for missing parts Abps - router - e helps us store of	ts read and write mula in Excel.(2 s using the way and transfer date	their (20)	homework الفيوم - شرق 23 الإسكندرية - وسادة betwee memory) d information (124 أدارة شمال 124 أحدارة شمال 124	n the
3 4 5	Braille method The row title h You must type Complete the brackets: (HDMI - MA A	helps blind student as a number. (=) to create a for missing parts Abps - router - e helps us store of the missing parts ng is known as	ts read and write mula in Excel.(2 s using the way and transfer date	their (20)	homework الفيوم - شرق 23 الفيوم - شرق 23 الإسكندرية - وسادة betwee dinformation (124 الدارة شمال 124 الدارة سمال 124 الدارة شمال 124 الدارة سمال 124 الدارة س	n the
3 4 5	A kilobyte is of Braille method The row title has You must type Complete the brackets: (HDMI - MA) A	helps blind student as a number. (=) to create a form as in the missing parts Abps - router - etc	ts read and write mula in Excel.(2 s using the way and transfer date and transfer d	their (20)	homework الفيوم - شرق 23 الفيوم - شرق 23 الإسكندرية - وسام s betwee المام أله 1024 المام (2024)	n the
3 4 5	A kilobyte is of Braille method. The row title he You must type. Complete the brackets: (HDMI - MA) A	helps blind student as a number. (=) to create a for missing parts Abps - router - e helps us store of the missing parts ng is known as	ts read and write mula in Excel.(2 as using the ways and transfer date and transfer date as measured by	their (20)	homework الفيوم - شرق 23 الفيوم - شرق 23 الإسكندرية - وساد s betwee المادة شمال 024 الدارة سمال 024 الدارة سم	را الاسماعيلية المعيزة - الدقي المعيزة - الدقي



Digital Safety and Security Precautions



Theme Lessons:

- Lesson Explorer in Action
- Lesson 2 Protecting Ourselves and Our Information
- Lesson 3 Password Security
- Lesson 4 How to Deal With Fake Websites
- Lesson 5 Intellectual Property Rights
- Lesson 6 Using Digital Sources
- Lesson / Advanced Searches
- Lesson 8 Documenting Information Appropriately

Scope and Sequence



2

Digital Safety and Security Precautions

Essential Question: How do we keep ourselves and our data safe and secure when using ICT tools?

Lesson	Topics	Skills Integration			
		Life Skills	Values	Issues and Challenges	
LESSON 1 Explorer in Action	 Copyright in relation to photographs Importance of backing up photograph files 	Learning to do: Decision-making	Academic values: Appreciation of technology	Globalization issues: Technological awareness	
LESSON 2 Protecting Ourselves and Our Information	 Protecting personal information and data Backing up data 	Learning to do: Communication	Personal values: Independence	Citizenship issues: Legal awareness	
LESSON 3 Password Security	 The importance of password protection Using multi-factor authentication 	Learning to know: Critical thinking	Work values: Proficiency	Globalization issues: Technological awareness	
LESSON 4 How to Deal With Fake Websites	Identifying who can help with problems with websites	Learning to know: Critical thinking	Work values: Proficiency	Citizenship issues: Legal awareness	
LESSON 5 Intellectual Property Rights	What copyright means When to attribute a creator's work	Learning to do: Communication, self-management Learning to live together: Empathy	Work values: Respect	Citizenship issues: Legal awareness Globalization issues: Digital citizenship	
LESSON 6 Using Digital Sources	 Identifying reliable websites to use as research sources Using multiple sources 	Learning to do: Decision-making	Work values: Transparency and integrity	Globalization issues: Technological awareness	
LESSON 7 Advanced Searches	 Specific and accurate online search terms Search engines and advanced searching tools 	Learning to do: Productivity	Scientific values: Curiosity Work values: Proficiency, perseverance	Globalization issues: Civilizational communication	
LESSON 8 Documenting Information Appropriately	 Paraphrasing online content How to quote online content How to cite online sources 	Learning to do: Decision-making, productivity	Work values: Proficiency	Citizenship issues: Legal awareness	



As you get older, you may use the Internet more and more, to conduct research, send and receive messages, access social media sites, and watch videos. The Internet is a great place to learn and hang out with friends, as long as you do these things safely.

In this theme, you will learn how to stay safe online. You will learn how to protect yourself, your personal information, and your data. You will also learn how to conduct online research using reliable sources, follow online rules and laws, and respect other people's creative work.



ICT Prim. 5 - First Term (81)

Explorer in Action

Jeff Kerby

- >> Jeff Kerby is an ecologist and a photographer.
- >>> He has worked on exciting photography expeditions in Africa, North America, and the Arctic.
- >>> He mainly photographs landscapes and animals.
 - >> جيف كيربي عالم بيئي ومُصور فوتوغرافي.
 - >> شارك في بعثات تصوير فوتوغرافي مشوقة في إفريقيا وأمريكا الشمالية والقطب الشمالي.
 - ₹ وأكثر ما يُصوره جيف كيربي هي المناظر الطبيعية والحيوانات.



Photography Expeditions

They are trips to places where one takes photographs of the area.

بعثات التصوير الفوتوغرافي: هي رحلات إلى أماكن يلتقط فيها الشخص صورًا للمنطقة التي يزورها.

استعدادات جيف كيربي للرحلة Preparations استعدادات جيف كيربي للرحلة

- >>> To prepare for a trip, Mr. Kerby considers:
 - Where he's going.
 - What he is going to do there.
 - O How he will carry out his work securely.



₹ للاستعداد لرحلة، يفكر السيد كيربي في التالي:

- 쥥 كيف سيؤدي عمله بشكل آمن؟
- 🕗 ماذا سيفعل هناك؟
- 1 أين هو ذاهب؟

>> Tools needed:

- Camera and camera lenses
 Batteries for the camera

- (6) Phone (for quick photos and GPS navigation)
 - الأدوات المطلوبة في رحلة التصوير:
 - الكاميرا وعدساتها. بطاريات للكاميرا. كمبيوتر محمول. محركات أقراص صُلْبة.
 - هاتف محمول اللتقاط صور سريعة والتنقل باستخدام الـ GPS. • طائرة بدون طيار (أحيانًا).

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Explorer in Action

- >>> At the end of each day, Mr. Kerby does the following:
 - back up all of the images he has taken onto two external hard drives (why?)
 - To protect his photos from damage or theft.
- Share photos with his colleagues If he needs- using cell phone applications, such as WhatsApp and Telegram.

🚺 في نهاية كل يوم، يقوم السيد كيربي بما يلي:

- يقوم بعمل نسخة احتياطية لجميع الصور التي التقطها على قرصين صلبين خارجيين (لماذا؟) لحماية صوره من التلف أو السرقة.
 - مشاركة الصور مع زملائه -إذا احتاج- باستخدام تطبيقات الهاتف المحمول، مثل: الواتس آب والتليجرام.

احترام حقوق النشر !Respect Copyright

- >>> Everyone owns the copyright to the images they take, unless they sell those rights before or after taking them.
- >>> Owning photos means having copyright to publish or sell the photos.
 - ₹ يمتلك الجميع حقوق النشر للصور التي يلتقطونها، إلا إذا باعوها قبل التقاط الصور أو بعد ذلك.
 - ₹ امتلاك الصور يعنى امتلاك حقوق الملكية لنشر الصور أو بيعها.

Copyright Infringement

- Some people use photographs that were taken by others without their permission or without purchasing the right to use the image.
 - >> انتهاك حقوق النشر: هو استخدام بعض الأشخاص صورًا التقطها آخرون من دون طلب إذنهم، أو من دون شراء حق استخدام الصور.



How to protect photos from copyright infringement



- Photographers place a watermark on their photos.
- 2 They add copyright information, such as their name, to the metadata of each photo.

كيف تحمي الصور من انتهاك حقوق النشر؟

- المصورون يضعون علامة مأئية على صورهم.
- يضيفون معلومات متعلقة بحقوق النشر -مثل أسمائهم- إلى البيانات الوصفية الخاصة بكل صورة.

ICT Prim. 5 - First Term (83)

Mr. Kerby ensures his work is protected by:

- 1 He shares high-resolution photos only with people he trusts.
- 2 He shares low-resolution photos that won't look good if printed or uploaded to a website.
- 3 He also uses reverse image searches to find out if any of his photos are being used without his permission.
 - 🧥 يضمن جيف كيربي حماية أعماله من خلال:
 - عدم مشاركة صوره عالية الدقة إلا مع الأشخاص الذين يثق بهم.
 - مشاركة صور ذات دقة منخفضة، التي لن تبدو جيدة إذا طبعت أو رُفعت على موقع إلكتروني.
 - أنه يستخدم أيضًا عمليات البحث عن الصور المعكوسة؛ ليعرف ما إذا كانت أي من صوره تُستخدم من دون إذنه.

Copyright Infringement and the Law

- >>> Copyright infringement is against the law.
- Article 69 in the "2014 Egyptian Constitution" confirms that:

"The state protects all types of intellectual property in all fields through a specialized body that defends these rights."

Many Egyptian laws protecting the copyright have been written based on this article.



- إذ تنص المادة ٦٩ من الدستور المصري لعام ٢٠١٤ على:
 «تلتزم الدولة بحماية حقوق الملكية الفكرية بشتى أنواعها في كافة المجالات، وتنشئ جهازًا مختصًا لرعاية تلك الحقوق وحمايتها القانونية، وينظم القانون ذلك».
 - ولقد صِيغ العديد من القوانين المصرية التي تحمي حقوق النشر بناء على هذه المادة.

أهم الكلمات والمصطلحات				
Ecologist	عالِم بيئي	Copyright	حقوق التأليف والنشر	
Photographer	مصور فوتوغرافي	Purchasing	شراء	
Landscape	المناظر الطبيعية	Publish	ينشر	
Photography Expeditions	بعثات التصوير الفوتوغرافي	Copyright Infringement	انتهاك حقوق النشر	
Preparations	تحضير – استعدادات	Watermark	علامة مائية	
Equipment	أدوات	Resolution	رقة	
Drones	طائرة بدون طيار	Law	القانون	
Hard drives	محركات أقراص صُلْبة	Egyptian constitution	الدستور المصري	
Owning photos	امتلاك الصور			

-084) ICT Prim. 5 - First Term

1	Jeff Kerby is a/an			لقاهرة - النزمة 2023)
	a. engineer	b. doctor	c. archeologist	the second secon
2	When Jeff Kerby p	repares for a t	rip, he thinks car	efully about
	a. the things he w		b. the places he	
	c. both a and b		d. none of ther	n
3	To protect your pho	otos, you could	share them in	
	a. low resolution		b. a flash mem	
	c. high resolution			لجيزة - الهرم 2023)
4	A photographer p	rotects his work		mages with
	a. high resolution		b. low resolution	•
	c. a flash memory		d. GPS	لدقهلية 2023)
5	You can share pho	tos quickly with	your friends thre	ough your
	a. mobile phone			
				لمنوفية - السادات 2023)
6	Jeff Kerby used all	these tools in h	is expedition, ex	cept
	a. GPS	b. camera		d. drones
				لبحيرة - دمنهور 2023)
7	You can navigate	and reach diffe	rent places using	
	a. GPS		c. emails	d. GPR
				لإسكندرية - وسط 2023)
8	You can use a/an	to	save your back	cup copy of your files
	a. external hard di	rive	b. scanner	
	c. printer		d.QR code	لإسكندرية - المنتزه ثانٍ 2023)
9	A/An must b	e placed to prot	ect images from a	copyright infringemen
	a. audio mark		b. deleted mark	
	c. watermark		d question mark	لإسكندرية - المنتزه أول 2023)

Digi	tal Safety and Security Precautions	
10	Photographers share their high-res	b. people they trust
	c. public forums	d. everyone
11	Sometimes, the photographer use	s his to take quick photos.
	a. computer	b. mobile phone
	c. GPS	d. printer
12	If you need to share photos with	your friends immediately, you can use
	your	
	a. cell phone applications	b. camera
	c. drones	d. none of them
13	law protects pri	nt and digital content. (2023) الجيزة - العمرانية 2023)
	a. work b. photos	c. trademark d. copyright
14	You can use a search to	find unauthorized uses of your photos.
	a. forward image	b. reverse image
	c. random image	d. both a and b
15	Using photographs that were take	en by others without asking permission
	is called	
	a. backup	b. copyright infringement
	c. security	d. privacy (2023)
16	Photographers add their name to	be of each photo.
	a. meta data	b. location information
	c. camera settings	d. none of them
2	Put (✓) or (X):	
1	Jeff Kerby is an archaeologist	(
2	Owning photos means having co	pyright to publish or sell the photos.
		(
3	Drones help us navigate places.	i
-	We can backup any files to an e	xternal hard drive
		out asking permission from their owner
-		ith collogous with a literate spec
0	ricioles can be quickly shared w	ith colleagues using mobile phones.

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Hessen

(القامرة - النزمة 2023)
7 Jeff Kerby protects his work by sharing high-resolution photos. (
(الإسكندرية - العجمي 2023)
8 Photographers don't have the legal right to publish or sell their photos.
()
9 We can take quick photos using our mobile phones. (
(الفيوم –شرق 2023)
10 You can protect your work by putting a watermark on it. (
11 Photography expeditions are trips to places where people take photos of an area.
12 It is difficult to back up your photos with your external hard disk drive. (2023 الإسكندرية - المنتزه أول 2023)
13 Many Egyptian laws protect the copyrights of people. (
Complete the missing parts using the words between
the brackets:
(high-resolution photos – Low-resolution photos – Copyright infringement – watermark) 1
1 Jeff Kerby is an archaeologist and a photographer. ()
You can back up a large file on an external phone. (
4 Tourists can use GPR to go to the museum. (
Jeff Kerby shares any photos with his colleagues using drones.
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Protecting Ourselves and Our Information

سرقة البيانات Data Theft

Why is it important to protect the data on our device?

>>> To protect our personal information.

النامن المهم حماية البيانات الموجودة على جهازك؟ لحماية معلوماتك الشخصية.

المعلومات الشخصية Personal Information

- >>> It includes:
- your name.
- your address.
- g your date of birth.
 g your passwords.
- >>> It is called "Personally Identifiable Information (PII)".
- **﴾ تشمل بياناتك الشخصية** كلًا من: (أن اسمك. (إن عنوانك. (إن تاريخ ميلادك. (إن كلمات المرور الخاصة بك.

- √ وتُسمى معلومات التعريف الشخصية PII.

Hackers can:

- Use the internet to break into a computer system and steal personal information.
- Use someone's email address and password to send a virus to all the email addresses in your email account.
- Use an adult's bank account number to take money from that account.
 - الآتى: المخترقين عمل الآتى:
 - 🕕 استخدام شبكة الإنترنت لاقتحام أنظمة الكمبيوتر وسرقة المعلومات الشخصية.
 - استخدام عنوان البريد الإلكتروني وكلمة المرور لأحد الأشخاص لإرسال فيروس إلى جميع عناوين البريد الإلكتروني الموجودة.
 - استخدام رقم الحساب المصرفي لأحد البالغين لسرقة أموال من هذا الحساب الإلكتروني.





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Lesson

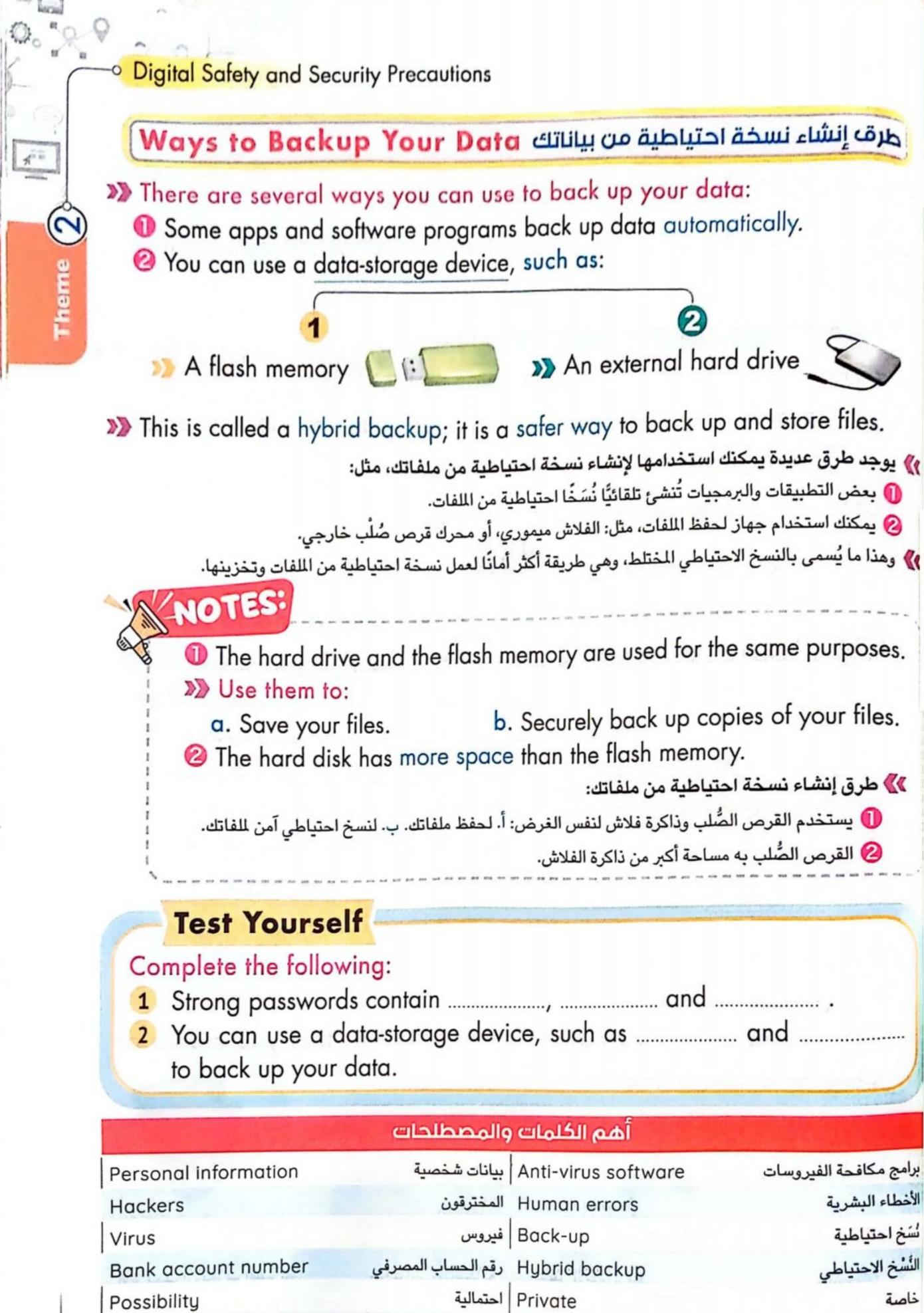
There are many ways you can keep your PII safe.

- 1 Limit the personal information you share online.
- On't sign up for a website if it asks for too much personal information.
- Use different strong passwords that:
 - a. Contain letters, numbers, and special signs.
 - b. Are different for each website you sign up for. Why?
 - Because if your password is discovered, a hacker will have access to everything.
- Use antivirus software on all of your devices
- (5) Update your devices regularly. Why?
 - Because updates include changes that keep your data safe.
 - >> هناك العديد من الطرق التي يمكنك من خلالها الحفاظ على أمان معلوماتك الشخصية الخاصة بك، أبرزها:
 - 🕕 الحد من المعلومات الشخصية التي تشاركها عبر الإنترنت.
 - عدم الاشتراك في موقع إلكتروني يطلب منك الكثير من المعلومات الشخصية.
 - (3) استخدام كلمات مرور قوية تحتوي على حروف وأرقام وعلامات خاصة، وتكون مختلفة لكل موقع إلكتروني تتسجّل فيه؛ حيث إنه إذا اكتشف المخترق كلمة المرور الخاصة بك، فسيتمكن من الوصول إلى كل شيء.
 - استخدم برامج مكافحة الفيروسات على جميع أجهزتك.
 - احرص على تحديث أجهزتك بانتظام؛ إذ تتضمن التحديثات تغييرات تحافظ على أمان بياناتك.

Lost Files:

- >>> You should also know how to protect the files that you create or store on a device from:
 - Viruses
 - Software problems
 - Human errors (such as dropping and breaking your laptop.)
 - التعلقة المنا كيفية حماية الملفات التي تُنشئها أو تُخزنها على الأجهزة من الفيروسات أو من المشكلات المتعلقة بالبرمجيات أو من الأخطاء البشرية، مثل سقوط جهاز الكمبيوتر المحمول أو تحطمه.

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Private

Accessories

ملحقات Private

ملحقات Private

1		01 11			
)	Choose the co	rrect answe	er:	
Ĭ	1				d are called
		a. personal identif	fication informa	ition	b. backups
		c. computer hacke	ers	d. email	(أبناؤنا في الخارج 2024)
	2	The one who steal	s the personal	information is c	alled a
		a. thief	b. photograph	er c. doctor	d. hacker
					(الإسكندرية - شرق 2023)
	3				(الفيوم - شرق 2024)
		a. Ahmed 123	b. ictbook895	c. abcd895	d. Ac#78#sd
	4				creating
		a. device shutdow	n b. backups	c. personal de	ata d. none of them
			رية - وسط 2023)	شمس 2024) (الإسكند	(الجيزة - الهرم 2024) (القاهرة - عين
	5	A can try to	get the bank acc	ount of an adult i	n order to steal his money.
		a. hacker		b. family men	nber
		c. teacher		d. doctor	
	6	Passwords must be		for each websi	te you register on.
		a. similar	b. weak	c. easy	d. different
					(القليوبية 2024) (الفيوم - شرق 23
1	7	Backup copies of fi	les are created	on	•
		a. a flash memory		b. an externa	hard disk
		c. both a and b		d. none of the	em
				•	(المنوفية - السادات 2023) (القاهر
1	8	To keep your data s	afe, use	progran	ns on all your devices.
			b. antivirus	c. browser	d. MS Excel
					(القليوبية 2024) (بندر دمنهور 2024
1	9	The hard disk has u	sually	space (th	nan) the flash memory.
		a. more	b. less	c. the same	d. none of them
9	10	The uses			computer to steal your
		information. (2024	:) (القاهرة - مصر القد <u>ي</u>	إسكندرية - وسط 2024	(الشرقية - شرق الزقازيق 2024) (الإ
		a. thief	b. mentor	c. hackers	d. photographer

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10 Hackers can send a virus to all the ema	il addresses in your email account. (
11 Sign up for a website if it asks for	too much personal information. (
	(دمیاط 2024)
12 There is only one way to backup	
	(الإسكندرية - شرق 2024)
13 Antivirus helps you keep your pri	
14 An external hard drive is used to sto	
15 All software programs back up d	
The state of the s	
	tore large files than the external hard
drive.	
	rts using the words between
the brackets:	
	rd – Personal information – hard disk)
1	
1 helps you keep yo	
	, address, date of birth, and passwords.
3 A should include le	etters, numbers, and special signs.
4 The has less space	e than the but they are
used for the same purpose.	
Think and answer:	
You want to create an account fo	r an online quiz that tells you the job
you should have when you grow	
Which pieces of Pll do you think of	are OK to share?
Register New Account Your first name	Your age
Tour hist hame	()
Your last name	Your date of birth
Your address	Your place of birth
Your school name	
Your parent's band account nu	mber OR credit card number
Tool parents band account no	TIDEL OIL CLAR CALCULATION
	eate Account Cancel
Cr	Cute Account Curicus

CS CamScanner

Test Vourseif on Lessons 1822

U					102
6		Choose the cor	rect answer	•	
	-	 A photographer a. high resolution c. normal resolution 	protects his wor		
	2	a. Devices c. Mouse	must be upde	b. Digital footprintd. Printed photos	
	3	a. 12345679			مرة - الزيتون 2024) d. 20/01/201
	4	Hackers can send a. antivirus		c. backup	بكندرية - شرق 2024) d. prizes
	5	Copyright infringpermitting	•		d. against
	6	Personal information	on, such as you	r name and addre	ess is called
	7	To create a backup a. flash Memory c. printer		E 201 1 10 10 10 10 10 10 10 10 10 10 10 10	drive
0	!	Put (✓) or (✗):			
	2	Your password shows MR. kerby ensurphotos only with password and the Hackers can send	ould be strong. res his work is p eople he trusts.	orotected by shari) (الإسكندرية - الع 24 (الفيوم - شرق 24 ng his high-resolu (الشرقية 2023) (الجيزة - الهرم 24
	5	Photographers p			

The updates include changes that keep your data safe. (2024 الإسكندرية - العجمي) (

It is not recommended to use antivirus software on your devices.

Copyright infringement is taking other's photos without their permissi

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(القاهرة - الزيتون 2024)

Password Security

Reasons to Protect Your Password

- There are many ways that hackers can get your password. One way is called phishing.
 - ₩ هناك العديد من الطرق التي يمكن للمتسللين من خلالها الحصول على كلمة المرور الخاصة بك، إحدى هذه الطرق تسمى «التصيد الاحتيالي».

Phishing

It is sending a message via email or social media applications that looks real but isn't.

التصيد الاحتيالي: هو إرسال رسالة (عبر البريد الإلكتروني أو تطبيقات التواصل الاجتماعي) تبدو حقيقية، ولكنها ليست كذلك.

Types of phishing scam:

- ① A message that says that you have won a prize, but you have to give your bank account details to get the prize.
- A message that encourages you to act quickly.
- ₹ أنواع التصيد الاحتيالي:
- 🕕 رسالة تخبرك بأنك فزت بجائزة، لكن عليك أن تعطي تفاصيل رقم حسابك البنكي لتحصل عليها.
 - نوع آخر يحثك على التصرف بسرعة.

NOTE:

 Smishing is the same as phishing but is a text message instead of an email.

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N. III

What happens when you open an attachment of phishing?

- 1 Data-stealing software is installed on your computer.
- 2 You're asked to enter sensitive information, such as bank account details.



ماذا يحدث عند: فتح مرفقات الرسالة الاحتيالية أو الملف المرفق بها؟ يتم تثبيت برنامج سرقة البيانات على جهاز الكمبيوتر الخاص بك، أو يطلب منك إدخال معلومات تعريف حساسة، مثل تفاصيل الحساب البنكي.



How to identify phishing messages



كيفية التعرُّف على رسائل التصيد

- 1 It includes misspelled words or grammar errors.
- It asks for too much personal data.

برنامج إدارة كلمات المرور Password Manager

- 1 It creates a strong, unique password for each of your accounts.
- ② It also tells you if the passwords you already have are too weak or if you've reused them.



- 3 It can even tell you if one of your passwords has been stolen online.
 - 🕕 ينشئ لك كلمات مرور قوية وفريدة لكل حساب من حساباتك.
 - و يخبرك أيضًا ما إذا كانت كلمات المرور التي لديك ضعيفة جدًّا، أو إذا كنتَ قد استخدمتها سابقًا.
 - و يخبرك أيضًا إذا كانت إحدى كلمات المرور الخاصة بك قد سُرقت عبر الإنترنت.

Lesson 3

Multi-Factor Authentication (MFA) المصادقة متعددة العوامل

- Multi-factor authentication (MFA) is used to strengthen your passwords.
- >>> You provide at least two ways of identifying yourself, such as:
 - 1 A password or PIN (personal identification number)
 - 2 An email or a one-time code
 - المصادقة متعددة العوامل تُستخدم لتقوية كلمات المرور الخاصة بك، وهي تعني تقديم طريقتين على الأقل لتعريف نفسك، مثل:
 - 1 كلمة المرور أو رقم التعريف الشخصي.
 - 2 بريد إلكتروني أو رمز لمرة واحدة.

Example 1

>>> To access a game website, you enter your password and receive a text message to verify your identity. This two-factor authentication helps protect your account from hackers, even if they have your password.

2FA can also be used when you log in from a new device.

Example 2

When you log into a website from a different device, you need to verify your identity by receiving a text message with a code. This code is only valid for a short period of time and for one time only. It helps protect your account from hackers, even if someone knows your password.

أهم الكلمات والمصطلحات				
Password	كلمة المرور	Misspelled words	أخطاء إملائية	
Phishing	التصيد الاحتيالي	Grammar errors	أخطاء نحوية	
Social media	التواصل الاجتماعي	Password managers	برنامج إدارة كلمات المرور	
Encourages	تشجعك – تحثك	Unique	فريد	
PIN (Personal Identification Number)	رقم التعريف الشخصي	Multi-factor authentication	المصادقة متعددة العوامل	
Verifying	التحقق	Attachment	ملحقات	

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Exercises on Lesson

- \		

Choose the correct answer:

5 C		sking you for y b. internet strengthened u entication courages you to b. smishing	is the arrival of our data to obtain c. databases sing	d. phishing (2023 المنتزه أول 2023) type of d. both a and b
5 C	One of the forms of inknown person as a passwords can be a multi-factor author browsers	sking you for y b. internet strengthened u entication	is the arrival of our data to obtain c. databases sing	n a prize. d. phishing (2023 أول 2023) رحكندرية - المنتزه أول 2023
5 C	One of the forms on unknown person as	sking you for y	is the arrival o	n a prize. d. phishing
	a. Password Mand		b. MFA d. Scam	as been stolen online.
C	a. email c. Facebook	(الفردقة 2023)	b. text message d. none of then 2024 (شرق الزفاريق 2024	م م 4 الحِيرَة - الهرم 2024) (القليوبية
re	eal. (2024) a. Smishing Smishing is the san	غردفة 2024) (الفامرة b. Phishing	ر (المسويس 2024) (المسويس 2024) (المسويس 2024) (المسويس 2024)	شوفية - تلا 2024) (بندر دمنهور 4 d. Folder
C	c. create an accou		 b. phishing d. protection ae via email or s 	ساونا في الخارج 2024) ocial media that looks

,					
9	When you open a phishing file, on your PC.	data-stealing software is			
	•	c. installed d. uploaded			
10	provides at least two ways of identifying yourself.				
	a. Password manager	b. loT			
	c. Anti-virus	d. MFA (2024 - الشيخ زايد 2024) (المنوفية - تلا 2024)			
11	Phishing is sending a message vi	(الإسكندرية - العجمي 2024)			
	a. social media b. email	c. text message d. both a and b			
12	You can identify phishing messag	ge by the presence of			
	a. bad grammar	b. misspelling			
	c. request personal data	d. all of them (2024 الشروق 2024)			
13		ring from an unknown person.			
	a. a letter from your father	b. a letter from one of your friends			
	c. a letter informing you that you				
	d. all of them	(الدقهلية 2023)			
14	Passwords should be	•			
	a. strong b. unique	c. weak d. both a and b			
15	You will receive a code for	when you log into a game			
	website from a different PC.				
	a. a short period of time	b. a long period of time			
	c. two times	d. none of them			
) E	Put (✓) or (X):				
1	Phishing is one of the ways that had	ckers use to get your password. (
	PIN means you provide at least two	· · · · · · · · · · · · · · · · · · ·			
400	in timodno you provide di redistrict	دمياط 2024)			
3	Phishing messages cannot be rec	ognized.			
	We don't need strong passwords				
	vve don't need shong pusswords	لجيزة - أبو النمرس 2023)			
(2)	D	east two ways of identifying yourself.			
19000	The second secon				
5	Password Manager provides di le) (القاهرة - عين شمس 2024)			

Digital Safety and Security Precautions

- 6 Phishing is sending a text message that looks real, but it isn't. (
- 7 Password Manager creates a unique password. (2024 أسيوط 2024) (
- 8 Phishing messages are free from grammar errors.
- الإسكندرية شرق 2024) (الدقهلية بلقاس 2024)) (المنوفية السادات 2023)

 MFA is an abbreviation for multi-factor authentication.
- 10 Smishing is sending a scam message via text messages instead of an email. (2023 الإسكندرية المنتزه أول 2024) (الإسكندرية المنتزه أول 2024) (الإسكندرية المنتزه ثان 2023)
- 11 Data-stealing software may ask you to enter your bank account details.
- 12 Antivirus can tell you if one of your passwords has been stolen online.
 (2024 شرق الزقازيق 2024)
- MFA provides at least two ways of identifying yourself. () الدقهلية بلقاس 2024) (دمياط الجديدة 2024) (القامرة الزيتون 2024)
- 14 Phishing may tell you you've won a prize, requiring personal details.
- 15 A Password Manager software is used to create strong passwords.

(القاهرة - الزيتون 2024) (دمياط 2024) (دمنهور 2024) (الجيزة - العمرانية 2024)

- A form of phishing is a message telling you that you have won a prize, but you have to give personal details.
- Complete the missing parts using the words between the brackets:

(Phishing – Smishing – Multi-factor authentication – Password Manager)

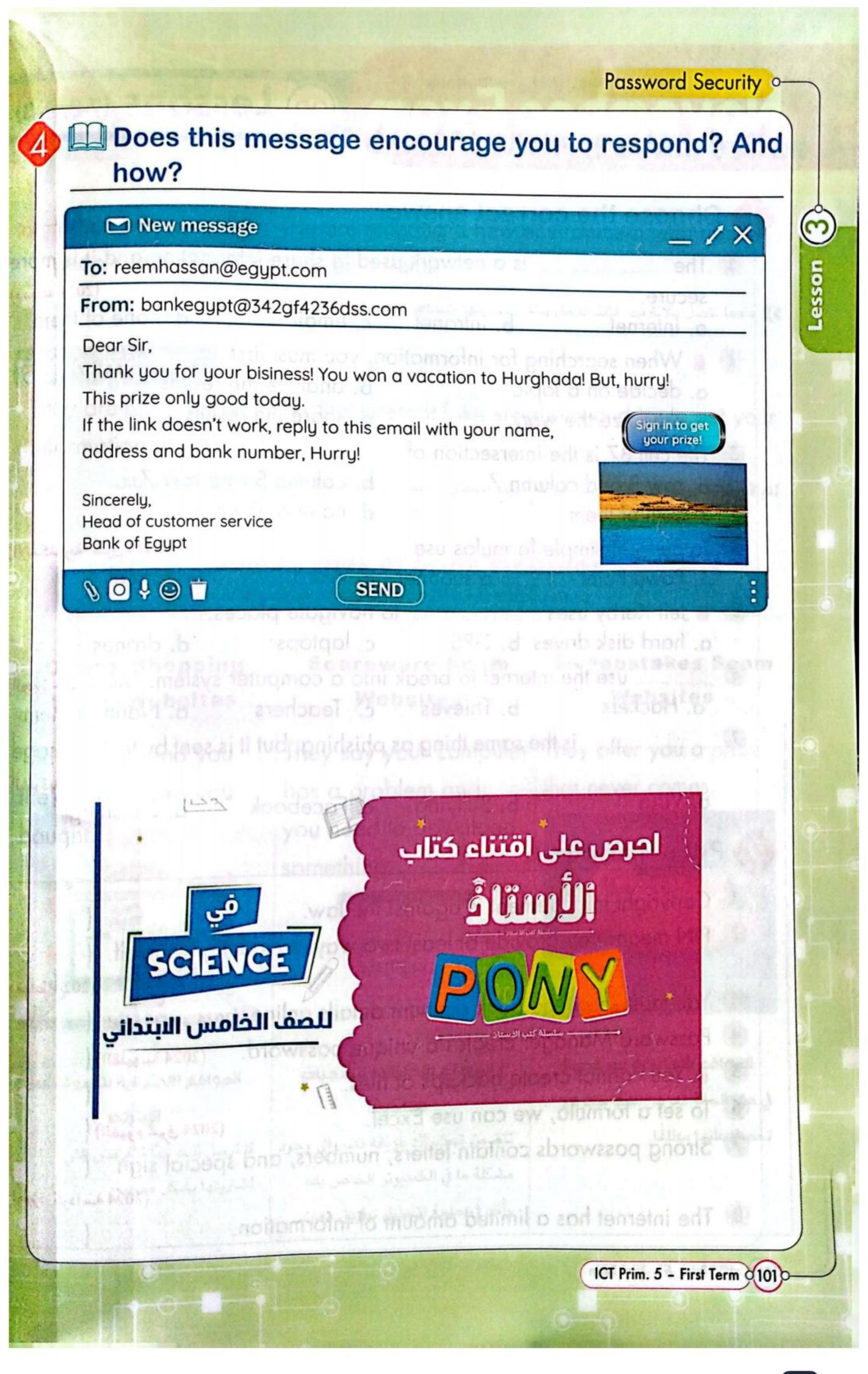
- 1 helps you to create strong passwords for your accounts.
- 2 provides at least two ways of identifying yourself.

(الغربية - طنطا ٢٠٢٤) (الجيزة - الدقي ٢٠٢٤)

- 3 is sending a message via email to steal your data.
- 4 is sending a message via text messages to steal your data.

(الجيزة - الشيخ زايد ٢٠٢٤)

-0.1000 ICT Prim. 5 - First Term



November Exam Lessons (7-8, 1-3)



1		Choose the correct answer:
	-	The is a network used to share information and it is more secure.
		a. internet b. intranet c. email d. none of them
	2	When searching for information, you must first
		a. decide on a topic b. analyze the results
		c. organize the work d. share the results
	3	The cell B7 is the intersection of
		a. row B and column 7 b. column B and row 7
		c. both of them d. none of them
	4	To perform simple formulas use
		a. PowerPoint b. a scanner c. Word d. Excel
	5	Jeff Kerby uses to navigate places.
		a. hard disk drives b. GPS c. laptops d. drones
	6	use the internet to break into a computer system. (2024 الجيزة جنوب
		a. Hackers b. Thieves c. Teachers d. None of them
	7	is the same thing as phishing, but it is sent by text message.
		(الشرقية 2024) معناها: معناها: معناها
		a. Virus b. Bullying c. Facebook d. Smishing
9		Put (√) or (X):
	1	Copyright infringement is against the law.
		PIN means you provide at least two ways to identify yourself. (
	-	المياط 2024)
	3	
		Password Manager creates a unique password. (2024 القليوبية) (
		You cannot create backups of files. (
		To set a formula, we can use Excel. (2024) (
	7	Strong passwords contain letters, numbers, and special sign. (
		الجيزة- كرداسة 2024)
	8	The internet has a limited amount of information.
(10	2010	CT Prim. 5 - First Term

esson

How to Deal With Fake Websites

When you go online, you are entering a new environment with new people and new rules. So, be careful!

₩ عندما تتصل بالإنترنت، فإنك تدخل بيئة جديدة بها أشخاص جدد وقواعد جديدة؛ لذا كن حذرًا.

Scam Websites

They are phishing websites that present fake situations and try to get your information.

المواقع الإلكترونية الاحتيالية: هي مواقع تصيد احتيالي تتضمن مواقف مزيفة في محاولة للحصول على بياناتك.

Some Types of Scam Websites بعض أنواع المواقع الإلكترونية الاحتيالية

Online Shopping Scam Websites

They never send you the correct items you bought.



المواقع الاحتيالية للتسوق عبر الإنترنت لا ترسل إليك أبدًا الأغراض التي اشتريتها بشكل صحيح.

Scareware Scam Websites

They say your computer has a problem and you need to download something.



المواقع الاحتيالية لبرمجيات التخويف

تتضمن تحذيرات مزيفة تشير إلى وجود مشكلة ما في الكمبيوتر الخاص بك، وأنك في حاجة لتحميل تطبيق معين.

Sweepstakes Scam Websites

They offer you a prize that never comes.



المواقع الاحتيالية عبر الجوائز في هذه الحالة تُعرض عليك جائزة لا تحصل عليها مطلقًا.

ICT Prim. 5 - First Term (103)





How do scam websites operate



كيفية عمل المواقع الاحتيالية

- All of these phishing sites operate on the same principles.
 - First, they try to bait you. They want you to get excited or draw your attention to the site.
 - Next, they try to compromise your privacy by getting your personal information or by getting access to your device.
 - Finally, they exploit the information they have gained about you in a bad way or hack your device to make money for themselves.

₹ كيفية عمل المواقع الاحتيالية:

- إن كل هذه المواقع الإلكترونية الأحتيالية تعمل وفقًا للمبادئ نفسها:
- أولاً، تحاول استدراجك؛ حيث تسعى إلى إثارة حماسك أو جذب انتباهك إليها.
- بعد ذلك، تحاول اختراق خصوصيتك من خلال الحصول على معلوماتك الشخصية أو اختراق جهازك.
- وأخيرًا، تعمد هذه المواقع إلى استغلال المعلومات التي توصّلت إليها عنك بشكل سيئ، أو محاولة اختراق جهازك للحصول على المال.

NOTE:

 Each time, it will look different, but all scam websites follow these basic principles.

• ستبدو الخدعة مختلفة في كل مرة، لكن كافة المواقع الإلكترونية الاحتيالية تتَّبع هذه الخطوات الأساسية.



How to avoid scam websites



كيفية تجنب المواقع الاحتيالية

- 1 Check that the URL (Uniform Resource Locator) of the website is credible.
- Check for misspelling or bad grammar.
 A reliable source will be well-written, with almost no mistakes.
- Oo a search online to see if it is a known scam.
 If something doesn't look right, it is most likely a scam website.
 - (URL) تحقّق من عنوان الموقع الإلكتروني (URL).
 - تحقّق من وجود أخطاء إملائية أو نحوية، فالمصدر الموثوق سيكون مكتوبًا بشكل جيد، مع عدم وجود أخطاء تقريبًا.
 - إجراء بحث عبر شبكة الإنترنت لمعرفة ما إذا كان الموقع الذي تستخدمه هو موقع احتيالي معروف. بصفة عامة، إذا بدا أمر ما غير صحيح، فإن الموقع على الأرجح موقع احتيالي.

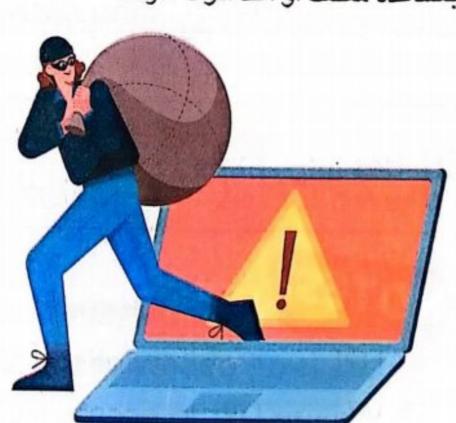
-01040 ICT Prim. 5 - First Term

Lesson (4)

If you are a victim of a scam website:

- Report it. Tell a trusted adult, like your parents or teacher.
- You can also contact the Child Helpline or The General Department for Combating Internet Crimes.
- 3 Report the scam website to the service provider, the e-commerce store, and your bank with the help of your teacher or a family member.
 - >> إذا وقعتَ ضحية لأحد المواقع الإلكترونية الاحتيالية، فعليك:
 - 1 الإبلاغ عن الأمر. أخبر شخصًا راشدًا تثق به مثل: والديك أو معلمك.
 - ② الاتصال بخط مساعدة الطفل، أو بالإدارة العامة لمكافحة جرائم الإنترنت.
 - (ق) أن تبلغ كذلك كلًّا من: مزود الخدمة، والمتجر الإلكتروني، والبنك الذي تتعامل معه بشأن هذا الموقع الاحتيالي، مساعدة معلمك أو أحد أفراد أسرتك.





Dissecting the URL

All URLs are made up of three main parts:

تتكون جميع عناوين URLs من ثلاثة أجزاء رئيسية:



The protocol

3

The file path

The resource name



You should understand the different parts of a URL so you can spot something that doesn't look right.

بجب أن تفهم الأجزاء المختلفة من عنوان URL حتى نتمكن من اكتشاف أي شيء لا يبدو صحيحًا.

https://www.ekb.com/index.html

PROTOCOL	RESOURCE NAME	FILE PATH
A URL starts with the protocol يبدأ URL بالبروتوكول		The last part of the URL الجزء الأخير من
This determines how the information will be transferred.	It's the web server, or the site being requested and shows who owns that space.	This identifies the specific resource the link is giving you access to.
وهو يُحدُّد كيفية نقل المعلومات.	هو خادم الويب، أو الموقع الإلكتروني المطلوب، ويُوضِّح مَن يملك هذا الموقع.	يُحدِّد المورد المحدد الذي يتيح لك الرابط إمكانية الوصول إليه.
Includes http, https.	It often ends with .com, .net, .org, .gov, or .edu.	

NOTES:

- 1 URL is an abbreviation for Uniform Resource Locator.
- We use URL to access websites online.

اللانترنت. اللاصول إلى مواقع الويب عبر الإنترنت.

URL @ URL @ اختصار محدد موقع الموارد.

أهم الكلمات والمصطلحات				
Situations	مواقف	Bait you	استدراجك	
Be careful	کن حریصًا	Compromise	اختراق	
Scam websites	مواقع التصيد الاحتيالي	Privacy	خصوصية	
Online shopping sites	مواقع للتسوق عبر الإنترنت		استغلال	
General Department	الإدارة العامة لمكافحة جرائم	Uniform Resource		
for Combating	الإنترنت	Locator (URL)	محدد موقع المعلومات	
Sweepstakes	مواقع الاحتيال عبر الجوائز	Scareware websites	برمجيات التخويف	
Child helpline	خط مساعدة الطفل			

Choose the corre	ct answer:
1 sites conto	ain fake situations in an attempt to steal your data.
a. Trusted	b. Scam
c. Reliable	d. Official
2 Fraudulent websites of	are trying to hack the
a. digital footprint	b. GPS
c. privacy	d. magnetometer (2024 إأبناؤنا في الخارج 2024)
3 You can go to the site	you want by typing the
a. opnions	b. file path
c. MFA	d. URL
	(الإسكندرية - شرق 2024) (البحيرة - دمنهور 2024) (الجيزة - أبو النمرس 2023)
4is/are scam	websites that offer you a prize that never comes.
a. Online shopping	b. Scarewares
c. Protocols	d. Sweepstakes
	(الدقهلية - بلقاس 2024) (شرق الزقازيق 2024) (الجيزة - الشيخ زايد 2023)
5 Websites that include	fake warnings indicating a computer problem are
called	(أبناؤنا في الخارج 2024)
a. site address (URL)	b. office software
c. scareware	d. protection software
6 can be scar	n website that never send your the correct items you
bought.	(القاهرة - الزيتون 2024) (القاهرة - المعادي 2024)
a. Sweepstakes	b. Scareware
c. Online shopping	d. A hacker
7 If someone is expo	sed to should contact the Child
a. scam websites	b. educational websites
c. government	d. all of them (2023) الإسكندرية - المنتزه أول 2023)

Digital Safety and Security Precautions

8	The URL (Uniform Resource Locate	or) begins with the
	a. file path	b. protocol
	c. resource name	d. blog
	المنوفية - تلا 2024) (الإسكندرية - شرق 2023)	مسرمة - المنتزه ثان 2024) (الجيزة - الشيخ زايد 2024) (
9	Scam websites work to obtain	
	a. personal information	b. opinions
	c. file path	d. URL
	ية - وسط 2023)	عرة - مصر القديمة 2024) (القليوبية 2024) (الإسكندر
10	If you fall victim to a scam websit	e, you should
	a. report it	b. give your personal data
	c.give your parents data	d. all of them (2024)
11	You can check out(verify) websites	using which is the addre
	of the website	
	a. personal opinions	b. blogs
	c. MFA	d. URL (2023) (الإسكندرية - وسط 2023)
12	The indicates who	owns this site.
	a. protocol	b. resource name
	c. file path	d. PII (2023) المنتزه ثانِ 2023)
13	Mohamed fell victim to one of the	scam websites. He could report it b
	calling the with his fathe	and the same of th
	a. Child Helpline	b. doctor
	c. General Department for Combo	ating Internet Crimes
	d. both a and c	خوفية - شبين الكوم 2024)
14	The scam websites that say your c	omputer has a problem are
	a. sweepstakes	b. scareware
	c. online shopping	d. child helpline (2024 مرق 2024)
15	You want to access the Egyptian K	nowledge Bank. You look at the UR
	and it says https://www.ekkbb.co	m. What is wrong with the URL?
	a. Protocol	b. Resource name
	c. File Path	d. Blog (2024 منوفية - شبين الكوم 2024)

Put (\checkmark) or (x): You can use a URL to access the site you want. (2024) (القامرة - الزيتون 2024) You should browse online with caution because there are a lot of fraudulent sites. (الإسماعيلية - إدارة شمال 2024) There are three types of scamware: online shopping, scareware, and sweepstakes. (الجيزة - العمرانية 2024) 4 All URLs are made up of two main parts. (2024 الجيزة - العمرانية 2024) (5 All scam websites follow the same basic principles, but in different ways. 6 You should avoid accessing scam websites. (2023) (الإسكندرية - المنتزه أول 2023) 7 If you fall victim to a fake website, you should not tell anyone. ((الجيزة - كرداسة 2024) The website address (URL) enables you to access the site you want. (الغردقة 2023) Scam websites usually have misspelled words or bad grammar. ((الغردقة 2023) 10 Scareware websites offer you a prize that you never get. 11 Sweepstakes sites that say your computer has a problem and you need to download something. (الجيزة - جنوب 2024) 12 If you are a victim of a scam website, report it and tell a trusted adult. (دمياط الجديدة 2024) 13 The last part of website address contains the protocol name (أسيوط - إدارة الفتح 2024) 14 You must check the sites you visit on the Internet. (دمنهور 2023) 15 To avoid scam websites, you should check the URL of websites.((القاهرة - عين شمس 2024) 16 The protocol in a URL determines how the information is transferred.

ICT Prim. 5 - First Term 109

(الشرقية - شرق الزقازيق 2024)

- 1 You want to access the Egyptian Knowledge Bank. You look at the resource name and it says https://www.ekkbb.com.
- You try to access the Bibliotheca Alexandrina website online. The URL looks like this: https://bibalex.org.scam.org.

Choose from column (A) what suits it in column (B):

Column (A) Column (B) a. shows who owns that space. The resource b. identifies the specific resource the link is giving you access to. The file path c. determines how the information will be transferred.



Test Vourselfon Lessons 3&4

)	Choose the correct answer:
1	Hackers can get your password by
2	When opening a fraudulent message
3	One type of the scam websites that try to get your personal data is
4	Passwords must be
5	Many scam websites use languages to get you to feel
6	The
7	Checking the
	Put (√) or (×):
	We should be careful when we visit new websites. (2024 (الإسكندرية - العجمي) (الإسكندرية - العجمي 2024) (Use different weak passwords to keep your data safe. (2024 (السويس)) (
	The protocol part of a URL shows who owns the site.(2024) () Smishing is sending a scam message via text message instead of an email.
5	Fraudulent sites work by arousing the user's enthusiasm and luring. (الإسماعيلية 2024)
6	Password Manager creates a strong and unique password. () (الجيزة - الدقي 2024)
7	Sweepstakes sites offer you a prize that you never get. (2024 دمياط الجديدة 2024) (
8	Phishing messages ask for too much personal data.
	ICT Prim. 5 - First Term 91119-

Online Content يرقمي الرقمي

- It might be tempting to take the content you see online, and copy and paste it into your school report, but be careful!
- >>> Copyright law protects printed and digital content.
- >> Copyright gives creators legal protection for the things they create.
 - قد يكون من المغري أن تأخذ محتوى تجده عبر الإنترنت وتنسخه في تقريرك المدرسي؛ ولكن انتبه!
 - شانون حقوق النشر يحمي حقوق المحتوى المطبوع والرقمى على حد سواء.
 - حقوق النشر تمنح المبدعين والمؤلفين الحماية القانونية للأعمال التي ينشئونها.

حقوق النشر Copyright

- >>> The international symbol for copyright is © (letter C with a circle around it).
- >>> Copyright protects creators' work including:
 - Books
- Images
- **6** Music
- Movies

- Games
- © Computer software Websites
- >>> The copyright for a website is usually at the bottom of the home page.
 - الرمز الدولي لحقوق النشر هو © مع دائرة حوله.
 - ₹ تحمي حقوق الطبع والنشر عمل المبدعين بما في ذلك:
 - 🕕 الكتب 🙆 الصور 🔞 الموسيقى 🙆 الأفلام 🜀 الألعاب 🜀 برامج الكمبيوتر
 - ₹ عادة ما تظهر حقوق النشر الخاصة بالمواقع الإلكترونية في أسفل الصفحة الرئيسة.

Examples of using copyrighted content:

- >>> Downloading a TV episode on YouTube
- Using someone else's artwork on your social media account



أمثلة لاستخدام المحتوى غير المسموح بنشره:

- تنزيل حلقة تلفزيونية على موقع يوتيوب.
- € استخدام عمل فنيٌّ لشخص آخر على حساب وسائل التواصل الاجتماعي الخاص بك،

-0,1120 ICT Prim. 5 - First Term

When you use copyrighted content:

- 1 You should respect the creator's work and use it fairly.
- You should ask for permission to use it.
- Attribute it or give credit to the creator.

ا 💦 عند استخدامك محتوى محميًا بحقوق النشر:

- 1 عليك احترام عمل صاحبه،
- 2 اطلب الإذن قبل استخدام أي محتوى. (3) أسند الأمر إلى صاحبه.





What creative works are NOT covered by copyright

ما هي الأعمال الإبداعية التي لا تغطيها حقوق النشر؟

- Works in the public domain
- Facts

- Oiscoveries
- Official documents, such as laws
- © Creative works whose owner has been dead for 50 years
 - الاكتشافات.
- 🕦 الأعمال التي تُصنَّف ملكية عامة. 🛮 🙆 الحقائق والوقائع.
- (4) الوثائق الرسمية مثل القوانين.
 (5) الأعمال الإبداعية التي مر على وفاة صاحبها 50 عامًا تصبح ملكية عامة.



- Egyptian law gives freedom to use a creator's creative work 50 years after their death.
 - يمنح القانون المصري حرية استخدام العمل الإبداعي للمبدع بعد مرور ٥٠ عامًا على وفاته.

Public Domain and Creative Commons

- There are sources that can be used without a creator's permission; they do not fall under copyrights:
 - Sources in the public domain
- Sources with creative commons reuse licenses
 - ₹ هناك مصادر يمكن استخدامها دون إذن صاحبها (لا تخضع لحقوق النشر):
 - 🕕 المصادر في نطاق الملكية العامة.
 - المصادر الحاصلة على رخصة إعادة استخدام المشاع الإبداعي.

ICT Prim. 5 - First Term (113)

Public Domain

It includes all creative works that are not covered by copyright law.

· الملكية العامة: تشمل جميع الأعمال الإبداعية التي لا يغطيها قانون حقوق النشر.

Creative Commons Reuse License

- It means the owner of a creative work gives permission to reuse his work anytime and anywhere.
- If you are searching for images online, you can filter your results to show only images with this license.

رخصة المشاع الإبداعي:

- تعني أن صاحب العمل الإبداعي يُعطي الإذن بإعادة استخدام عمله في أي وقت وفي أي مكان.
- إذا كنتَ تبحث عن صور عبر الإنترنت، يمكنك تصفية النتائج الخاصة بك؛ لإظهار الصور فقط التي تحمل رخصة المشاع الإبداعي.

المحتوى المكتوب Written Content

During writing a research paper:

You should only use a small part of someone's writing (few words or a few sentences).

عند إعداد ورقتك البحثية: لا يجوز أن تستعين إلا بجزء صغير فقط من كتابات الشخص الذي ستنقل عنه بعض الكلمات أو الجمل.



There are two ways to use the writings of others:

- 1 Use the exact words as they are without change.
- Paraphrase the ideas in your own style.
- In both cases, you must mention the names of the writers.



و بإعادة صياغة الأفكار بأسلوبك الخاص.

- ⟨⟨⟨

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 ¬<
 - 🕕 بنقل الكلمات كما هي من دون تغيير.
 - وفي الحالتين يجب أن تذكر أسماء الكُتَّاب.

-01140 ICT Prim. 5 - First Term

Images

- >> Images are also protected by copyright.
- >> When you use an image, you should include:
 - 1 The title
 - 2 The artist's or photographer's name
 - 3 A link to the original image
 - 4 What kind of copyright it is protected by
- If you don't want to get permission or buy images, you can make or take your own images instead.
 - >> الصور أيضًا مشمولة بحماية حقوق النشر.

 - ₩ وإذا كنتَ لا ترغب في الحصول على إذن أو شراء صور، يمكنك ابتكار صورك الخاصة أو التقاطها بدلًا من ذلك.

Test Yourself

Complete the following sentences:

- 1 and are not covered by copyrights.

- 4 Copyright law protects and content.

أهم الكلمات والمصطلحات			
Digital content	محتوى رقمي	Credit = Attribute	أسند الأمر
Printed content	محتوى مطبوع	Public domain	ملكية عامة
Episode	حلقة	رخصة المشاع الإبداعي Creative Commons Reuse License	
Set permission	الحصول على إذن	Paraphrase	إعادة صياغة





Exercises on Lesson 6

1				
	Choose the cor	rect answe	r.	
	Onloose the cor	TCCL allowe		
1	The law	protects printe	d and digital conte	ent.
	a. copyright	b. hacker	c. work	d. discovery
				الجيزة - العمر انية 2023)
2	Copyright protects	all the following	ng, except	
	a. books	b. websites		d. discoveries
			يزة - جنوب 2024)	(المنوفية - السادات 2023) (الج
3	The copyright for a	website is usu	ally at the	of the home page.
	a. bottom	b. top	c. middle	d. left
				(المنوفية - تلا 2024)
4	The international sy	vmbol for copy	riaht is	
	a. "R"	b. "S"	c. "V"	d. ©
	- طنطا 2024)	ـقهلية 2024) (الغربية ·	كندرية - المنتزه أول 2024) (الد	(أبناؤنا في الخارج 2024) (الإسك
5				rapher's
	a. name	b. address		d. none of them
6	Creative works tha	t are not cover	ed by copyright ar	e
de	a. websites		b. public domain	
	c. copyrights		d. books	
		مِيزة - الدقي 2024)	دة 2024) (دمياط 2024) (الع	(أسيوط 2024) (دمياط الجديا
7	protects	creators' work.		(الإسكندرية - العجمي 2023)
	a. Copyright			d. MFA
8	sources			
130	a. Public domain		. , .	d. All of them
9	Egyptian law gives			

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a. 20

years after their death.

b. 30

c. 40

اسيوط 2024)

d. 50

a. ask for permissioc. commit piracy	n	b. credit the creator
c. commit piracy		
		d. both a and b
The copyright law p	rotects	content.
		c. none of them d. both a and b
When you use som	neone's artwor	k on your Facebook account without
permission, this is co	onsidered	
a. creative common	ıs	b. copyright infringement
c. public domain		d. none of them
Which sources can	be used witho	out a creator's permission?
		b. Creative Commons sources
c. Documents like lo	aws	d. all of them
When a creator gi	ves a permissi	on for their work to be used anytime
and anywhere, this is called		
a. discovers		b. laws
c. facts		d. Creative Commons Reuse License
Creative works ente	er the public do	omain
a. when you down	load it	b. when the creator dies
c. after 50 years of	f the creator's	death
d. none of them		
To use the writings	of others, you	can
a. use the exact wo	ords	b. paraphrase the author's ideas
c. both of them		d. none of them
Put (✓) or (✗):		
The international syr	mbol for copyrig	ght is C. (2024 عين شمس 2024) ()
The copyright law d	oes not protect	images and music. (2024 الشرقية) (
3 The copyright law protects both printed and digital content. (
1 / 0		(الغردقة 2024) (الإسكندرية - المنتزه أول 2023)
	When you use some permission, this is contained. Creative common computed the common computed the copyright law discovers contained the copyright	When you use someone's artwork permission, this is considered a. creative commons c. public domain Which sources can be used without a. Public domain sources c. Documents like laws When a creator gives a permission and anywhere, this is called a. discovers c. facts Creative works enter the public dot a. when you download it c. after 50 years of the creator's of d. none of them To use the writings of others, you a. use the exact words c. both of them Put (/) or (X): The international symbol for copyright law does not protect

4	We can use public domain sources without the owner's permission.
	(
5	Discoveries and facts are not covered by copyrights.
6	Egyptian law states that a creator's work becomes free to use 60 year
	after their death. (2024) (پندردمنہور 2024)
7	Copyrights do not protect the photographs of a photographer. (
8	The owner of a creative work gives permission to reuse his work at an
	time and any place; this is called "Creative Commons".
	لقاهرة - الشروق 2024)
9	When using a photo, you must credit the photographer. (
10	Others' writings can be used after paraphrasing. (2023 الدقيلية) (
11	The copyright for a website is usually at the top of the home page.(
	لجيزة - الشيخ زايد 2024)
12	When searching images online, you can filter your results to show only
	images with Creative Commons Reuse License. (
13	Creative works enter public domains immediately when the creator dies.
14	The copyright law does not protect images and artworks. (
62	الإسكندرية - المنتزه أول 2023)
15	It is not necessary to ask for a permission before using any copyrighte
4	content. (
16	Listing your sources at the end of a research paper is not important.

Which of the following items is copyrighted?

- 1 A Nike ad with a photo in a magazine
- 2 A photo you took in front of a Nike store
- 3 200-year-old book about desert life
- 4 An online article about cactus

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(الغردقة 2024)

- 5 An article about the development of Algebra
- 6 The mathematical equation $\frac{5}{2} \times + 5 = 10$

Complete the missing parts using the words between the brackets:

Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 Public domains	a. protect both printed and digital content.
2 Copyrights	b. is the international symbol for copyright.
3 ©	c. are creative works that are not covered by copyright law.

1 2 3



Using Digital Sources

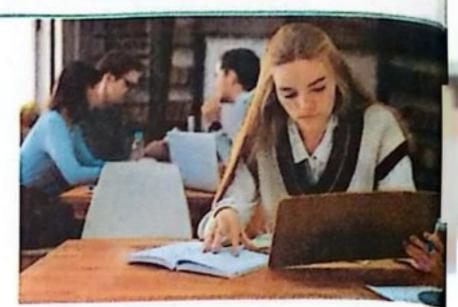
Learn

You may be asked to use some of the resources available online to:

- Answer a question.
- 2 Identify solutions to a problem.
- 3 Conduct study research related to a subject.

قد يُطلب منك استخدام بعض المصادر المتاحة عبر شبكة الإنترنت لـ:

الإجابة عن سؤال. (2) التعرُّف على بعض الحلول لمشكلة. (3) إجراء بحث دراسي مرتبط بمادة ما.



Steps to follow when using digital sources:

- 1 Identify reliable digital sources.
- ② Go to the site you want by typing the URL in the search engine (or browser).



- >>> URL is the abbreviation for "Uniform Resource Locator."
- You can ask your teacher or a family member for help while browsing a site for the first time.

>> خطوات يجب اتباعها عند استخدام المصادر الرقمية:

- 1 تحديد المصادر الرقمية الموثوقة.
- 2 انتقل إلى الموقع الذي تريده عن طريق كتابة عنوان URL في محرك البحث.
- >>> يمكنك أن تطلب من معلمك أو أحد أفراد أسرتك المساعدة أثناء تصفُّح الموقع لأول مرة.





- The best way to find reliable digital sites is to follow the recommendations of your teacher or school, such as EKB.
- These recommended websites are often stored on a Bookmark bar in your browser for easy access.
 - أفضل طريقة للعثور على مواقع رقمية موثوقة هي اتباع توصيات مُعلِّمك أو مُدرستك، مثل بنك المعرفة المصري.
 - غالبًا ما يتم تخزين هذه المواقع الموصى بها في Bookmark bar في متصفحك؛ للوصول إليها بسهولة.





Facts and Opinions



Facts

- 1) They result from research and observation.
- They can be proven.
- 3 They cannot be debated.
- They are true for everyone.
 - 1 تنتج عن البحث والملاحظة.
 - الجدل. الحدل.
- 2 يمكن إثباتها.
- 👍 تنطبق على الجميع.

Opinions

- 1 They are based on someone's views and experiences.
- They cannot be proven.
- 1 They can be debated.
- They are not true for everyone.
 - 🕕 تستند إلى وجهات نظر الشخص وخبراته.
 - ال يمكن إثباتها.
 الجدل.

 - 🙆 لا تنطبق على الجميع.

Using multiple sources and facts:

استخدم مصادر وحقائق متعددة:

- 1) It's a good decision to use multiple sources in your research.
- 2 This helps make sure you know all the important facts about a topic.



▼ إن استخدام مصادر متعددة أثناء بحثك قرار صائب - ذلك يضمن معرفتك بكل الحقائق المهمة المتعلقة بموضوع معين.

If two online sources have

the same information

- It often means that the facts are true.
- Write notes for the first source.
- Then, scan the next source for additional facts to add to your notes.

إذا تضمن موقعان موثوقان المعلومات نفسها:

- غالبًا ما يعنى ذلك صحة الحقائق.
- اكتب ملاحظات من المصدر الأول.
- ثم تفحص المصدر التالي؛ للحصول على معلومات تضيفها إلى ملاحظاتك.

different information

- Double-check that both sites are reliable.
- Then, make sure the information is based on facts instead of opinions.

في حال احتواء موقعين على معلومات مختلفة للموضوع نفسه:

- فتحقُّق جيدًا من أن كليهما موثوق.
- تأكد من أن المعلومات مبنية على الحقائق وليس على الآراء.

- It is a good decision to follow copyright rules and laws.
 - يعد اتباع قواعد وقوانين حقوق النشر قرارًا جيدًا.

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Lesson

المصادر عبر الإِنترنت Online Sources



>>> They include facts that can be measured.



والخرائط والمخططات والمخططات المعلوماتية والجداول: • تتضمَّن حقائق يمكن قياسها.

Pictures and videos:

- >>> They can also be reliable sources.
- >>> They sometimes help us in in acquiring the information while watching it, better than just reading the words.



﴿ الصور ومقاطع الفيديو: • يمكن أن تكون مصادر موثوقة.

• تساعدنا أحيانًا على اكتساب المعلومات بالمشاهدة على نحو أفضل من قراءة النصوص فقط.

Archives and databases:

- >>> They can also be reliable sources.
- They include books, articles, diaries, letters, and photographs.



السجلات وقواعد البيانات: • يمكن أن تكون مصادر موثوقة أيضًا.

• تحوي مواد بحثية متعددة، بما في ذلك الكتب والمقالات والمذكرات والرسائل والصور.

NOTE:

The Egyptian Knowledge Bank is the best way to find reliable digital sources.



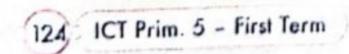
أهم الكلمات والمصطلحات			
Digital sources	المصادر الرقمية	Observation	ملاحظة
Reliable sources	المصادر الموثوقة	Experiences	خبرات
Accomplish	انجز	Maps	الخرائط
Facts	حقائق	Infographics	المخططات المعلوماتية
Opinions	آراء	Archives	السجلات
Can be debated	تحتمل الجدل	Databases	قواعد البيانات
Can be proven	يمكن إثباتها	Diaries	المذكرات

	-		
	н		١
€	и	y.	

Choose the correct answer:

100	Control of the Contro				
1				in the search engine.	
	a. email	b. URL	c. text message	e d. Facebook	
				البحر الأحمر - الغردقة 2024)	
2	Information that re	esults from resear	ch and observat	ion and can be prover	
	and cannot be di	sputed is called	a/an		
	a. data		c. digital footp		
	(2024			(أبناؤنا في الخارج 2024) (الدقهلية	
3	Identifying	is crucial in	searchina for in	formation.	
	a. reliable source		b. files and rec		
	c. databases		d. social media		
4	is con	sidered one of th	e reliable diaita	source sites.	
	a. Facebook		b. Application X (Twitter)		
	c. Data and infor	rmation	d. EKB		
5	is/are				
a.	a. Facts		c. Reliable		
				(المنوفية- تلا 2024) (البحيرة - دمنه	
0	It's a good decision			d. the same	
	a. multiple	b. a few	c. two		
edit	-1 -			(الجيزة - جنوب 2024)	
7	The Egyptian Kno	7.5			
	a. false	b. unreliable	c. bad	d. reliable	
				(الإسكندرية - العجمي 2023)	
8	Websites are often	n stored in the	bar in	your browser for easy	
	reference.				
	a. menu	b. bookmark	c. task	d. tool	
				(الجيزة - كرداسة 2024)	
				ICT Prim. 5 - First Term 123	

igit	al Safety and Security Precautions
9	Using multiple sources during your research is a/an decision of the decision o
10	can't be debated and are true for everyone.
	a. Opinions b. Facts c. Digital sources d. Blogs
	(2023) الملتزه نان 2023)
11	If two reliable websites include the same information, it often means the
	the information is
	a. false b. not reliable c. questionable d. true
	ميوط ٢٠٠٤)
	Dut (/) or (v).
	Put (√) or (×):
1	A reliable source contains misspellings or bad grammar.
	إسكندرية - المنتزه أول 2024)
2	Facts are based on someone's views and experiences.
	(سكندرية - المنتزه ثان 2024) (الجيزة - الهرم 2024) (الجيزة - العمر انبة 2024) (الجيزة - 6 أكتوبر 2024)
3	When doing a search, make sure the information is based on facts instead
	of opinions (۲۰۲٤) (
4	Facts are statements that can be proven.
	قاهرة - المستقبل 2024) (الجيزة - العمر انية 2024)
5	URL is the abbreviation of "Uniform Resource Locator".
6	Photos and videos are reliable sources. (۲۰۲٤ - جنوب) (
	Facts are based on someone's views and experiences. They cannot be
	proven, but they can be debated. (2024 شبين الكوم 2024) (المنوفية - شبين الكوم
8	You can ask your teacher for help while browsing a site for the first time
	1
0	It is not necessary to use multiple sources in your research. (
10	Facts are based on someone's views and experiences and can't be
	proven. (الإسكندرية - المنتزه ثان 2023) (الإسكندرية - وسط 2023) (الإسكندرية - المنتزه ثان 2023) (الإسكندرية - وسط 2023)
11	The information is often correct if found in two reliable sources.(



2 An example of a reliable source is the Egyptian Kn	owledge Bank.(
	القاهرة - المعادي 2024)
All information from the internet is true and trusted	d. (
	الإسكندرية - وسط 2024)
When using any source, make sure that the in opinions.	formation is based or (
5 Pictures and videos help us gain information more	e easily. (
6 Facts come from research and observation.	(
the brackets: (URL - Opinions - Computers - Facts - pict	ture - book)
(URL - Opinions - Computers - Facts - pict	
1 help us store and transfer data and	
are based on research and observ	
3 are based on someone's views and	•
4 You can type the in the search eng	
E A holps us acquire information bot	ier by walching it mai
5 A helps us acquire information bet by just reading.	
	identify the mos
Read and choose. You want to use of conduct a study research and want to reliable digital sources that enable you	identify the mos
Read and choose. You want to use of conduct a study research and want to reliable digital sources that enable your research task. Do you?	identify the mos
Read and choose. You want to use of conduct a study research and want to reliable digital sources that enable your research task. Do you? Use a website recommended by your teacher.	identify the most
Read and choose. You want to use of conduct a study research and want to reliable digital sources that enable your research task. Do you? Use a website recommended by your teacher. Use one source in your research.	identify the most

Test yourself.

essons 5&6

	Choose the correct answer:
	1 Copyright protects all the following things, except
	2 You can check websites by which is the address of the website. a. the facts b. the URL
	c. your personal information d. the guesses (2024 الدقهلية)
	a. Opinions b. Facts c. Both a and b d. Lies
	Creative works that are not covered by copyright are a. websites b. public domains
	c. discoveries d. facts (2024 اسيوط 2024)
	Tou can store suggested websites in the
	is/are based on the person's views and experiences. a. Facts b. Opinions c. Reliable d. Data (2024 البحيرة - دمنهور 2024)
	7 It's a good decision to use sources in your searches. a. multiple b. a few c. two d. the same
6	Put (√) or (X):
4	1 Facts can be debated and proven.
	2 Before using copyrighted content, ask for permission to use it.(2024 دمياط (2024) (
	3 Creative commons are not covered by copyrights. (2024 البحيرة - دمنهور 2024) (
	Watching images helps in getting information better than reading.
	(الدقهلية - بلقاس 2024)
	5 Egyptian Knowledge Bank is a reliable digital source. (
	6 The international symbol for copyright is ©. (2024) (الجيزة - 6 أكتوبر 2024)
	7 Copyrights can't protect a creators' work. (2024 الإسكندرية - العجمي 2024) (
	8 Following copyright rules and laws is a good decision. (

esson 7

Advanced Searches

درس إثرائي

How to get specific search results? کیف تحصل علی نتائج بحث محددة؟

Start with a specific topic and research questions. ابدأ بموضوع محدد وأسئلة بحثية.

Example:

You want to know about the construction of Aswan Dam. How can you search?

₹ أنت تريد أن تعرف عن بناء سد أسوان، كيف يمكنك البحث؟

a Use a specific search topic:

استخدم موضوع محدد للبحث

"The Aswan Dam" is not a specific topic.

"The construction of the Aswan Dam"



b Use research questions about the topic, such as:

- What materials were used to build the Aswan Dam?
- How many workers built the Aswan Dam?

>> استخدم أسئلة بحثية عن الموضوع مثل:

• كم عدد العمال الذين قاموا ببناء سد أسوان؟

• ما هي الموارد التي استُخدمت في بناء سد أسوان؟

C Use your research questions to find keywords.

₩ استخدم أسئلتك البحثية للحصول على كلمات مفتاحية.

Question

What materials were used to build the Aswan Dam?

Question

How many workers built the Aswan Dam?

Keywords

"materials" and "Aswan Dam"

Keywords

"how many" (or "number"),
"workers" and "Aswan Dam"

Theme

مصطلحات بحث دقيقة Accurate Search Terms

1 Use synonyms to make your search terms more accurate.

👔 استخدم المرادفات لجعل مصطلحات البحث الخاصة بك أكثر دقة.

You want to research the amount of times 13- to 18-year-old people spend online each day.

- >>> The search strings change the results:
 - Children computer time Gives too many results.
 - ► Will narrow the results.

 Teenagers time online

 Will narrow the results.

 على سبيل المثال، تريد البحث عن مقدار الوقت الذي يقضيه الأشخاص الذين تتراوح أعمارهم بين ١٣ و ١٨ عامًا على الإنترنت كل يوم.
 - 🧨 سلاسل البحث تغير النتائج:
 - وقت الكمبيوتر للأطفال: يعطي الكثير من النتائج.
 وقت المراهقين على الإنترنت: سيضيق النتائج.
- 2 If you put the search string in quotation marks, your search will be more specific (narrowed) to the exact phrase within the quotation marks.
 - إذا وضعت سلسلة البحث بين علامتي اقتباس، فسيكون بحثك أكثر تحديدًا (تضييقًا) على العبارة الدقيقة ضمن علامات التنصيص.
- 3 Some search engines suggest keywords and similar searches.
 - و بعض محركات البحث تقترح كلمات مفتاحية وعمليات بحث مشابهة.
- Search engines also have an advanced searching tool that helps you limit search results.
 - You can use them to combine, exclude, or limit the results to specific domains, such as .edu or .gov.





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نمتلك محركات البحث أيضًا أداة بحث متقدمة تساعدك في تحديد نتائج البحث. يمكنك استخدامها لدمج النتائج، أو استبعادها، أو قصر النتائج على مجالات معينة مثل: edu. أو gov.

Boolean Operators and Search Modifiers

Boolean Operators	Example	Results
AND	Video games and teenagers	Will include both terms.
OR	Child or teenager	Will include either term.
NOT	Video games not online	Will not include the terms.
<i>u n</i>	"Video games"	Will include the exact terms.
()	(Video games) teenagers	Prioritize what is in parentheses.
*	Teens*	Will include all forms of the word.

Tips to Find the Best Search Results نصائح للعثور على أفضل نتائج للبحث

- Scan the summary for each search result.
- 2 Look for the titles connected to your topic and keywords in bold.
- 3 Scan for facts that answer your research questions.
- ② Choose the results that have many of these items. Then, click on each possible source and skim the content.
- 6 Look for titles, headers, and keywords that match your research topic and questions.
- 6 Choose the sources with the best match.
- 🛈 دقِّق في ملخص كل نتيجة بحث.
- و ابحث عن العناوين المرتبطة بموضوعك والكلمات المفتاحية بالخط العريض.
 - 🔞 ابحث عن الحقائق التي تجيب عن أسئلة بحثك.
 - اختر النتائج التي تحوي العديد من هذه العناصر، وتصفّع المحتوى.
- ⑤ ابحث عن العناوين، ورءوس الموضوعات، والكلمات المفتاحية المطابقة لسؤالك البحثي.
 - وأخيرًا، اختر المصادر الأكثر تطابقًا.



	أهم الكلمات والمصطلحات	
Advanced searches	Exclude البحث المتقدم	استبعاد
Synonyms	Boolean Operators مرادفات	العوامل المنطقية
Quotation marks	Prioritize علامة تنصيص	تحديد الأولويات
Keywords	Summary كلمات مِقْتاحية	ملخص
Search modifiers	Headers معدلات البحث	رءوس الموضوعات
Titles	عناوين	

Exercises on Lesson

-	
	-
-	

Choose the cor	rect answer	:	
 To get results that in		c. NOT	d in the search, use (المنوفية - السادات 2023) d. OR
 2 Use in the	ne search engin b. synonyms	c. acronyms	d. asynchronous
a. " "	b	c. *	d. ()
a. Antivirus c. MS Word	sts keywords ar	b. Search engined. Paint tool	
5 In the search stratego a. share the results c. decide on a top		b. use keywords	d. make a result
6 Use your research of a. images	questions to find		d. keywords
7 When using the terms. a. AND			
8 If you use the words.			
9 Using the	b. OR operator will	c. NOT include all forms	d. ALL

b. ()

C. *

130 CICT Prim. 5 - First Term

a. " "

search.

ICT Prim. 5 - First Term (131)

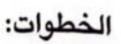
Documenting Information Appropriately

تدوین ملاحظات Taking Notes

- Research papers should be written in your <u>own words</u>. To do this, start by taking notes in your own words.
 - پجب كتابة الأوراق البحثية بأسلوبك الخاص. للقيام بذلك، أبدأ بتدوين الملاحظات بكلماتك الخاصة.

Steps:

- Tor each source, add the URL and the author's name at the top of your notes.
- Reread each note. If information is missing, return to the source and find the missing information.
- When an author's words are important or unforgettable, use quotation marks to add those exact words to your notes.



- (1) لكل مصدر، أضف عنوان URL واسم المؤلف في الجزء العلوي من ملاحظاتك.
- ② أعد قراءة كل ملاحظة. إذا كانت المعلومات مفقودة، فارجع إلى المصدر وابحث عن المعلومات المفقودة.
- عندما تكون كلمات المُؤلّف مهمة أو لا تُنسى، استخدم علامات الاقتباس لإضافة تلك الكلمات الدقيقة إلى ملاحظاتك.

Paraphrasing

It's using your own words to explain the ideas of the writer (author).

إعادة الصياغة: استخدام كلماتك الخاصة لشرح أفكار الكاتب (المؤلف).

- >>> Some ways to do paraphrasing:
 - 1 Change some of the vocabulary words.
 - Change the order of the ideas.
 - Change the sentence structure.
- >>> By paraphrasing, you are showing respect for the author's work.
 - 👭 بعض الطرق لإعادة الصياغة:

- 🔞 تغيير هيكل الجملة.
- 🙆 تغيير ترتيب الأفكار.
- በ تغيير بعض مفردات الكلمات.
- ₩ من خلال إعادة الصياغة، فإنك تُظهر الاحترام لعمل المؤلف.

Lesson (8

Using Quotes استخدام الاقتباسات

- Quotes support your ideas and arguments.
- >>> When you include a quote:
 - State where the quote came from (citation) and why you are using it.
 - You can use sentence starters to share this information.
- Some sentence starters that you can use to introduce a quote:

In the article (article title), it said ...

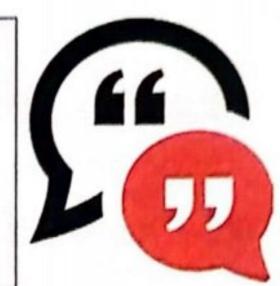
This shows that ...

According to (author's name), ...

This proves that ...

(Author's name) states ...

This illustrates ...



- ₹ تدعم الاقتباسات أفكارك وحُججك.
- **>> عندما تقوم بتضمين اقتباس:** (1) اذكر: من أين جاء الاقتباس؟ ولماذا تستخدمه؟
- یمکنك استخدام بادئات الجمل لمشاركة هذه المعلومات.

- >>> To search an online source by a keyword:
 - Press (Ctrl + F) on the keyboard.
 - Enter the term in the search box.
- >>> The keyword will be highlighted everywhere it appears on the page.
 - √ البحث عن مصدر عبر الإنترنت بواسطة الكلمة المفتاحية:
 - و أدخل المصطلح في خانة البحث.

- Otrl + F اضغط على Ctrl + F.
- >> وبهذا ستُظلُّل الكلمة المفتاحية أينما وُجدت في الصفحة.

ذكر المصادر Citing Sources

- >> At the end of a research report, you list your sources on a "Works Cited" page.
- >>> Some online sources include a permalink to use as the cited web address because websites change.



- >> Look for a "Share" or "Cite this" button to find the permalink.
- >> You can ask your teacher for help to view one of these hyperlinks.
 - و نهاية التقرير البحثي، تُدرَج مصادرك في صفحة «قائمة الأعمال المقتبس مذها».
- ومن المصادر المتاحة عبر الإنترنت تتضمّن رابطًا ثابتًا permalink لاستخدامه كموقع الكتروني مقتبس منه؛ نظرًا لتغير المواقع الإلكترونية.
 - ابحث عن زر «مشاركة» أو «استشهد بهذا»؛ للعثور على الرابط الثابت.
 - يمكنك أن تطلب من معلمك المساعدة في عرض أحد هذه الارتباطات التشعبية.

Permalink

It is a permanent hyperlink, a highlighted word or picture you click on to take you to another web location.

الله الثابت: هو ارتباط تشعبي دائم، أو كلمة، أو صورة مميزة تنقر عليها؛ لتأخذك إلى موقع ويب آخر.

When you cite a source, you should use the following method: عندما تستشهد بمصدر يجب عليك استخدام الطريقة التالية:

- The citations should be in alphabetical order.
 - a If the source has an author:
 - The citations should be ordered by the author's last name.
 - b If the source doesn't have an author:
 - The citations should be ordered by the title of the article.
 - شع الاستشهادات بترتيب أبجدي حسب الاسم الأخير للمؤلف أو عنوان المقالة.
 - [3] إذا ذُكر اسم المؤلف: يجب أن تكون الاستشهادات مرتبة حسب الاسم الأخير للمؤلف.
 - **أ** إذا لم يُذكر اسم المؤلف: يجب أن تكون الاستشهادات مرتبة حسب عنوان المقال.
- Write the source: the name of the book, journal, or website.
- 1 Write the date: the year the source was published.
- Mention the URL.

- اذكر المصدر: اسم الكتاب أو المجلة أو الموقع الإلكتروني.
 - اذكر التاريخ: سنة نشر المصدر.
 - (۵) اذكر عنوان URL.

- Egypt Beach Resorts Fight Global Scourge of Plastic Trash. (2019, December 21). Arab News. Retrieved August 12, 2022, https://arab.news/pwhre
 - "Egypt Beach Resorts Fight Global Scourge of Plastic Trash" is the title of the article because the author's name is not given.
 - "2019, December 21" is the date of publication.
 - "Arab News" is the name of the publication.
 - "Retrieved August 12, 2022" is the date when the citation was retrieved.
 - "https://arab.news/pwhre" is the URL of the article.

>> Citing a YouTube video:

- 1) Use the uploader as the author (creator) of the video.
- Include the date the video was uploaded.
- Include the video title followed by the word "video".
- O Include the name of the site (YouTube) and the URL of the video.

Example

RTV, 2019. Very Nile video. YouTube, https://www.youtube. com/watch?v=yH5SVlgN_gY

- >> استخدم اسم المحمّل كمؤلف.
- 🧨 قم بتضمين تاريخ تحميل الفيديو.
- الفيديو وأضف كلمة «فيديو» بعده.
- ▼ قم بتضمين اسم الموقع (YouTube) وعنوان URL الخاص بالفيديو.

أهم الكلمات والمصطلحات					
Taking notes	تدوين الملاحظات	Using quotes	ستخدام الاقتباسات		
Documenting	التوثيق	Sentence starters	ادئات الجمل		
Author	مُؤلف	Citing sources	لاستشهاد بالمصادر		
Missing	مفقود	Permalink	ابط ثابت		
Jnforgettable	لا تُنسى	Permanent hyperlink	صلة تشعبية دائمة		
paraphrasing	إعادة صياغة نص	Highlighted word	المة مُظلَّلة		
Citations	الاقتباسات				

ICT Prim. 5 - First Term (135)



EX

Exercises on Lesson

Choose the cor	rect answe	•:	
1 To move directly to	the site you wo	ant,	
a. click on the hyp	erlink	b. create an emo	lic
c. create a docum	ent.	d. open Faceboo	رالغردقة 2023) ok
2 When citing a YouT	ube video, use tl	ne as the	e author of the video.
a. uploader		b. video title	
c. signature		d. none of them	
3 You should include	your	at the end of yo	our research.
a. introduction	· · · · · · · · · · · · · · · · · · ·		d. citation
4 You must add the U			of the notes.
a. top	b. middle		d. small(2024)
5 When writing youra. have to includeb. don't have to in	your sources in	the list of quotes	
c. don't have to p	araphrase	d. none of them	(المنوفية - شبين الكوم 2024)
6 To search for a reso write the term in th		the keyword, click	on and
a. Ctrl + F	b. Ctrl + C	c. Ctrl + X	d. Ctrl + V
	- المستقبل 2024)	رة - الزيتون 2024) (القاهرة -	(أبناؤنا في الخارج 2024) (القام
7 At the end of a reserved page.	earch report, you	u list your sources o	on a/an
a. Acknowledgme	nt	b. Works Cited	
c. Introduction		d. none of them	
8 You have to show yo	our respect for th	ne author's work by	his text.

b. copying

d. paraphrasing

a. deleting

c. stealing

Documenting Information Appropriately

9	We use the marks when the author's statements are important				
	and memorable in order to include them as they are in the note				
	a. " "	b. # #	c. @@	d. &&	6
				(أبناؤنا في الخارج 2024)	/
10			nline content eve	en if the website changes.	
	a. special charac	ter	b. special lir	nk	
	c. permalink		d. email		
11	When you include	a quote, you c	an use	to share this information.	
	a. sentence starte	rs	b. special ch	naracters	
	c. paraphrasing		d. none of the	nem	
12	If the source has a	n author, the cit	ations should b	e ordered by the	
	a. author's name		b. author's la		
	c. date		d. author's o	ıddress	
	- 1 (() (V)				
	Put (✓) or (X):				
1	The citations shou	ld be in alphal	petical order.	()	
2	2 For each source, add the URL and author's name at the top of your notes				
				(الجيزة - العمر انية 24	
3	You can use sente	nce starters to s	share the neede	ed information. (
62				(أسيوط - إدارة الفتح 2024)	
4	Quotes don't supp	ort vour ideas	and arauments.		
		,	3	(الجيزة - جنوب 2024)	
5	You must show res	pect for the aut	hor by paraphi		
9	100 111001 0110 11 100	poor 101 mile de.		(الشرقية - شرق الزقازيق 2024) (الب	
7	If there are import	ant cavinas or		your research, put them	
40	in quotation marks			ر القاهرة - الشروق 24 (القاهرة - الشروق 24	
				a picture you click on to	
	take you to anothe			(الإسكندرية - المنتزه أو	
8	When taking notes	, put important	t words from ar	author in parentheses.	
				1	1

Digital Safety and Security Precautions

- (9) If information is missing in your research, go back to the source.
- When you paraphrase, use your own words to explain the ideas of the writer.
- 11) You can paraphrase by changing the sentence structure and the order, the ideas.
- Vocabulary or sentence structure shouldn't be changed when paraphrasin a text.
- 13 Listing your sources at the end of the research paper is not important.
- Complete the missing parts using the words between the brackets:

(alphabetical order – quotation marks – Paraphrasing – URL – Taking notes)

- 1 You can use to write the author's important sayings.
- 2 Add the and the author's name at the top of your notes.
- 3 Put the citations in
- 4shows respect for the author's work.
- 5 from a source is easier to do if they are written in you own words.





Test yourself on Lessons 7&8

Choose the correct answer:
1 You can use to write the author's important sayings. a. bold font b. underlining c. italic font d. quotation marks 2 If the source doesn't have an author, the citations should be ordered by
the
a. uploader b. video title c. signature d. none of them
 To narrow the search results, we use
You have to show your respect for the author's work by
a. AND b. OR c. NOT d. # #
7 To search for an online resource keyword, press (2024 القامرة - المستقبل 2024). a. Ctrl + G b. Ctrl + T c. Ctrl + F d. Ctrl + E
Put (✓) or (X):
 When paraphrasing, you can reorder the ideas. (2024) () We usually add the URL and the author's name at the end of the notes.
3 B Using synonyms doesn't make your search more accurate. ()
4 You must show respect for the author by paraphrasing the text. ()
5 It is not necessary to consult your teacher when looking at hyperlinks.
6 a Some search engines suggest keywords and similar searches. (
7 Research papers should be written in your own words. ()
8 A permalink is a permanent hyperlink that may be an image or a word. ()

Lesson 1

- >>> Jeff Kerby is an ecologist and a photographer.
- >>> Tools used in a photography trip:
 - Camera and camera lensesBatteries for the camera
 - 3 A laptop 4 Hard drives 5 A drone (optional)
 - (6) A mobile phone (for quick photos and GPS navigation)
- Mr. Kerby backs up his images onto two external hard drives.
- >>> He shares photos with his colleagues immediately, using cell phone apps
- Owning photos means having copyright to publish or sell the photos.
- Copyright Infringement: Some people use photographs that were taker by others without permission or without purchasing the right to use them.
- >>> Photographers protect their works by doing the following:
 - 1 They place a watermark on their photos.
 - 2 They add copyright information, such as their names, to the metadatc of each photo.
 - 3 They share high-resolution photos only with people they trust.
 - They share low-resolution photos that won't look good if printed of uploaded to a website in public.
 - They use reverse image searches to find out if any of their photos are being used without their permission.
- >>> Copyright infringement is against the law.
- Many Egyptian laws protect copyrights.

Lesson 2

- >>> Personal information: It includes your name, address, date of birth, and passwords.
- >>> Hackers: They break into a computer and steal personal information.

-0140 ICT Prim. 5 - First Term

- Hackers can use someone's email address and password to send a virus to all the email addresses in your email account.
- Hackers can use an adult's bank account to steal money.
- How to keep your personal information (PII) safe?
 - 1 Limit the personal information you share online.
 - On't sign up for a website if it asks for too much personal information.
 - 3 Use different strong passwords that are different and contain letters, numbers, and special signs.
 - Use antivirus software on all of your devices.
 - 6 Update your devices regularly.
- You should protect your files from viruses, software problems, human errors.
- How to back up your data?
 - 1) Some apps and software programs back up data automatically.
 - You can use a data-storage device, such as:
 - A flash memory
 - An external hard drive
- This is called a hybrid backup; it is a safer way to backup and store files.
- The hard disk has more space than the flash memory although they are both used for the same purpose.

Lesson 3

- Phishing: It is sending a message via email or social media applications that looks real, but it isn't.
- Smishing: It is the same as phishing, but it is a text message instead of an email.
- When you open an attachment or a file of phishing:
 - Data-stealing software is installed on your computer, or you're asked to enter sensitive information, such as a bank account.
- How to identify phishing messages?
 - 1 It includes misspelled words and grammar errors.
 - 2 It requests too much personal data.

ICT Prim. 5 - First Term (141)-



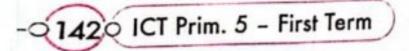
SUMMARY on Theme

- Password Manager:
 - 1) It creates strong and unique passwords for each of your accounts.
 - It also tells you if the passwords you already have are too weak or if you've reused them.
 - 3 It can even tell you if one of your passwords has been stolen online.
- Multi-factor authentication (MFA):
 - MFA is used to strengthen your passwords.
 - · You provide at least two ways of identifying yourself.



Lesson 4

- Scam websites: They are phishing websites that present fake situations and try to get your information.
- >> There are many types of scam websites, such as:
 - Online shopping scams: They never send you the correct items you bought.
 - Scareware scams: They say your computer has a problem and you need to download something.
 - 3 Sweepstakes scams: They offer you a prize that never comes.
- How to avoid scam websites?
 - Oheck that the URL of the website is credible.
 - Scam websites usually contain misspellings or bad grammar.
 - 3 Search online to see if it is a known scam.
- If you are a victim of a scam website:
 - Report it. Tell a trusted adult.
 - Contact the Child Helpline or The General Department for Combating Internet Crimes.
 - 3 Report the scam website to the service provider, the e-commerce store and your bank.
- Mall URLs are made up of three main parts:
 - The protocol
 The resource name
 The file path
- >>> The protocol: It is the first part; it determines how the information is transferred
- The resource name: It is the requested site; it shows who owns that space.
- The file path: It is the last part of the URL; it identifies a specific resource which the link is giving you access to.



Lesson 5

- Copyright law protects printed and digital content.
- Copyright gives creators legal protection for the things they create.
- The international symbol for copyright is ©.
- The copyright symbol for a website is usually at the bottom of the home page.
- Examples of using copyrighted content:
- Downloading a TV episode on YouTube.
- Using someone's artwork on your social media account.
- When you use copyrighted content:
- Respect the creator's work.
 Ask for permission to use it.
- Attribute it or give credit to the creator.
- Creative works are NOT covered by copyright:
- Works in the public domainFacts
- Official documents, such as laws
 Discoveries
- 6 Creative works whose owner has been dead for 50 years
- Public domain and creative commons do not fall under copyright.
- Public domain: Includes all creative works which are not covered by copyright law.
- Creative commons: It means that the owner of a creative work gives permission to reuse his work anytime and anywhere.
- When searching for images online, you can filter your search by license.
- There are two ways to use the writings of others:
- Use the exact words without change.
- Paraphrase ideas in your own style.

Lesson 6

Steps to follow when using digital sources:

- Identify reliable digital sources.
- Oo to the site you want by entering the URL in your browser.

The URL is the abbreviation for "Uniform Resource Locator".

You can save recommended websites to your bookmark bar for easy access.





SUMMARY on Theme

>>> Facts and Opinions:

Facts

- 1 They come from research and observations.
- They can be proven.
- 3 They cannot be debated.
- They are true for everyone.

Opinions

- They are based on someone's views and experiences.
- 2 They cannot be proven.
- 1 They can be debated.
- They are not true for everyone.
- If two online sources have the same information, it often means that the information is a fact.
- Online sources include maps, graphs, infographics, charts, videos pictures archives, and databases.
- >>> The EKB is the best way to find reliable digital sources.

Lesson 7

>>> How to get specific search results?

- Start with a specific topic and research questions.
- Use synonyms to make your search terms more accurate.
- Put the search string in quotation marks, your search will be more specific (narrowed) to the exact phrase within the quotation marks.
- >>> Some search engines suggest keywords and similar searches.
- >>> They also have an advanced searching tool that helps you limit search results.
- >>> Boolean Operators and Search Modifiers:

Boolean Operators	Example	Results	
AND	Video games and teenagers	enagers Will include both terms.	
OR	Child or teenager	Will include either term.	
NOT	Video games not online	Will not include the terms.	
" "	"Video games"	Will include the exact terms.	
()	(Video games) teenagers	Prioritize what is in parentheses.	
*	Teens*	Will include all forms of a word.	

-0144 ICT Prim. 5 - First Term



Taking notes:

- To make a research paper, start by taking notes in your own words.
 - 1) For each source, add the URL and the author's name at the top of your notes.
 - If information is missing, return to the source.
 - 3 When an author's words are important, use quotation marks to add those exact words to your notes.

Paraphrasing:

- 1 Change some of the vocabulary words.
- Change the order of the ideas.
- 3 Change the sentence structure.
- By paraphrasing, you are showing respect for the author's work.
- To search for an online source by a keyword, type (Ctrl + F).

Using quotes:

- 1) State the source of the quote.
- 2 You can use sentence starters to share this information.

Citing sources:

- At the end of your research, list your sources on a "Works Cited" page.
- Permalink: It is a permanent hyperlink, a highlighted word or picture you click on to take you to another web location.

When you cite a source, the citations should be in alphabetical order.

- 1 If the source has an author:
 - The citations should be ordered by the author's last name.

2 If the source doesn't have an author:

- The citations should be ordered by the title of the article.
 - a. Write the source: The name of the book, journal, or website.
 - b. Write the date: The year the source was published.
 - c. Mention the URL.

When citing a YouTube video, use the uploader as the author (creator) of the video.

Model Exam 1

1	Choose the correct answer:	
	1 a Jeff Kerby is a an	
	a. engineer b. archeologist c. ecologist d. do	octor
	2 To search an online source by a keyword, type	
	a. Ctrl+H b. Ctrl+E c. Ctrl+D d. Ctrl	
		(القاهرة - المستقبل ا
	3 involves using two or more methods to verify yo	our identity.
	a. MFA b. Password manager	
	c. Anti-virus d. PII	
	4 are based on someone's views and experiences	5.
	a. Facts b. Opinions	- 10
	c. Reliable sources d. Unreliable sources (20	
	5 Photographers can protect their work from copyright in	rringement in
	a. saving photos on the mobile b. placing a watermark of	on their photos
	c. sharing it with others d. none of them (2024)	•
		, ,,,
4	Put (√) or (x):	
	1 Research papers should be written in your own words.	()
	2 You need strong passwords to protect your personal data	from hackers.
		()
	3 Scareware websites offer you a prize that you never get.	()
	4 The Egyptian constitution confirms that the state protects	all types of
	intellectual property. (2024 فندرية - المنتزه أول 2024)	
	5 Photos and videos are from the reliable sources.	()
1		

Complete the missing parts using the words between the brackets:

(GPS - Hard disk drive - Hackers - Password Manager - Public domains)
	is used to back up all the photos you take.
2	you can navigate and reach different places using the
3	break into your device to steal your personal information
	لغردقة 2024)
4	tells you if one of your passwords has been stolen online



..... are creative works that are not covered by copyright

Choose the correct answer:

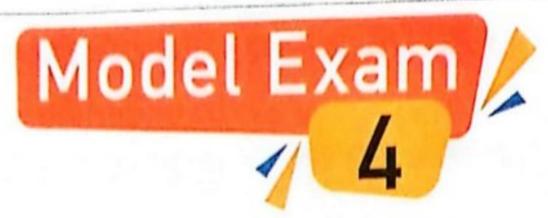
1	,	images to protect his copyright.
	a. high resolution	b. low resolution
	c. normal resolution	d. flash memory
2		not include the word in search result. c. / d. NOT
-		
3		y typing (2024 الإسكندرية - شرق 2024) c. resource name d. your name
4	Copyright protects all the following	
4		c. websites d. both a and b
5	include(s) all creative v	works not covered by copyright law.
a	a. Public domains	 b. Copyrighted content
	c. Discoveries	d. Both a and b (2024 دمياط 2024)
)	Put (/) or (/):	
1	The same information on two relic	able sites often means it's correct.

REVISION on Theme
2 You should proceed with websites that ask for too much personal data.
3 Password management software is used to create strong passwords.(
Permalink is a permanent hyperlink that may be an image or a word.
5 Copyright law protects both printed and digital content. (
Complete the missing parts using the words between the brackets:
(Public domain - Creative commons - Facts - " " - Opinions)
1 are true for everyone and can't be debated.
2 includes all creative works not covered by copyright law.
3 are based on someone's views and can be debated.
4 mean the owner gives permission to reuse his work.
5 A You can use to get results that include the exact words.
Model Exam / 3
Choose the correct answer:
1 One of the accessories that you can use to save your files securely is a/
an
a. external hard disk b. drone
c. camera d. printer
2 The URL (Uniform Resource Locator) starts with the
a. protocol b. file path C. resource name d. MFA
الإسكندرية - المنتزه ثانِ 2024) The copyright for a website is usually at the of the home page.
a. top b. left c. middle d. bottom (2024)

CS CamScanner

	71	10
REVISION	on Theme	1

a. bold font		b. underline	gs.	
c. quotation marl	<s .<="" td=""><td>d. # #</td><td></td><td></td></s>	d. # #		
•	1201 101 101 101	ving things, except		
a. books	b. facts	c. games apps d. phot	tos	
Put (✓) or (X):				
Smishing is send	ing a messag	e via email or social media c	applica	tion
that looks real bu	ıt isn't.	شرقية - الزقازيق 2023)) (ال	
e Jeff Kerby shar	es his high-res	solution photos with others.	(
A reliable source	contains miss	pelling or bad grammar	(
		زه أول 2024)	ندرية - المنة	لإسك
- 0 .	s have an adv	, an and an arching to all to limit	results.	
4 🔒 Search engine	o nave an aav	anced searching tool to limit	. 000	
Search engine	o nave an aav	rancea searching tool to limit	(
		akes results include all forms o	(ord
			(ord
using the ope	rator ''OR'' mo		of the w	ord
using the ope	rator ''OR'' mo	akes results include all forms c	of the w	ord
Using the ope	column (A)	akes results include all forms of what suits it in column	f the w	
Choose from Column (A)	column (A)	what suits it in column Column (B)	f the w	
Choose from Column (A)	column (A) a. may be we the site.	what suits it in column Column (B)	f the w ((B):	
Choose from Column (A) Citation	a. may be we the site. b. is the interest	what suits it in column Column (B) vords or pictures you click on	to acce	ess
Choose from Column (A) Citation URL	a. may be we the site. b. is the intercontent of the content of t	what suits it in column Column (B) vords or pictures you click on ernational symbol for copyrigh	to acce	ess
Choose from Column (A) Citation URL Column (S)	a. may be very the site. b. is the interest of the should be a should be should be a shou	what suits it in column Column (B) vords or pictures you click on ernational symbol for copyright ain fake situations to steal you	to accents.	ess



	sources in your	searches.
a. multiple	b. few	/2024
c. two	d. one	الجيزة - جنوب 2024)
2 Creative works that are no	t covered by copyright are	······································
a. websites	b. public domains	
c. copyrights	d. discoveries	(الجيزة - الدقي 2024)
Hackers can get your pass	word by a/an way.	(الجيزة - الدقي 2024)
a. updating	b. bullying	
c. planning	d. phishing	
4 🔒 If you use the	operator, the results will in	nclude one of the
two words.		
a. AND	b. OR	
c. NOT	d. none of them	
At the end of a research re	port, you list your sources on	the page.
 a. acknowledgement 	b. works cited	
c. introduction	d. table of contents	
Dut (() or (v).		
Put (✓) or (✗):		
	be installed on your compute	er. (
1 Antivirus software mustn't		r. (المنوفية - السادات 2023)
1 Antivirus software mustn't		
Antivirus software mustn't To access a website, type	the URL into your browser.	
Antivirus software mustn't To access a website, type	the URL into your browser.	المنوفية - السادات 2023)))
Antivirus software mustn't To access a website, type to the statements that contains the statements the statements that contains the statements the statements the statements that contains the statements the statemen	the URL into your browser. an be proven.	المنوفية - السادات 2023)) الجيزة - العمر انية 2024)
	the URL into your browser. an be proven. e misspelled words or bad gr	المنوفية - السادات 2023)) الجيزة - العمر انية 2024) ammar. (

Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 The protocol	a. is used to include all forms of a word.
2 AND	b. indicates who owns the site.
3 🔒 *	c. is the first part of a URL.
4 The file path	d. makes the result include both words.
5 The resource name	e. is the last part of the URL.
3	125 /25

Model	E	(am	1
	1	5	

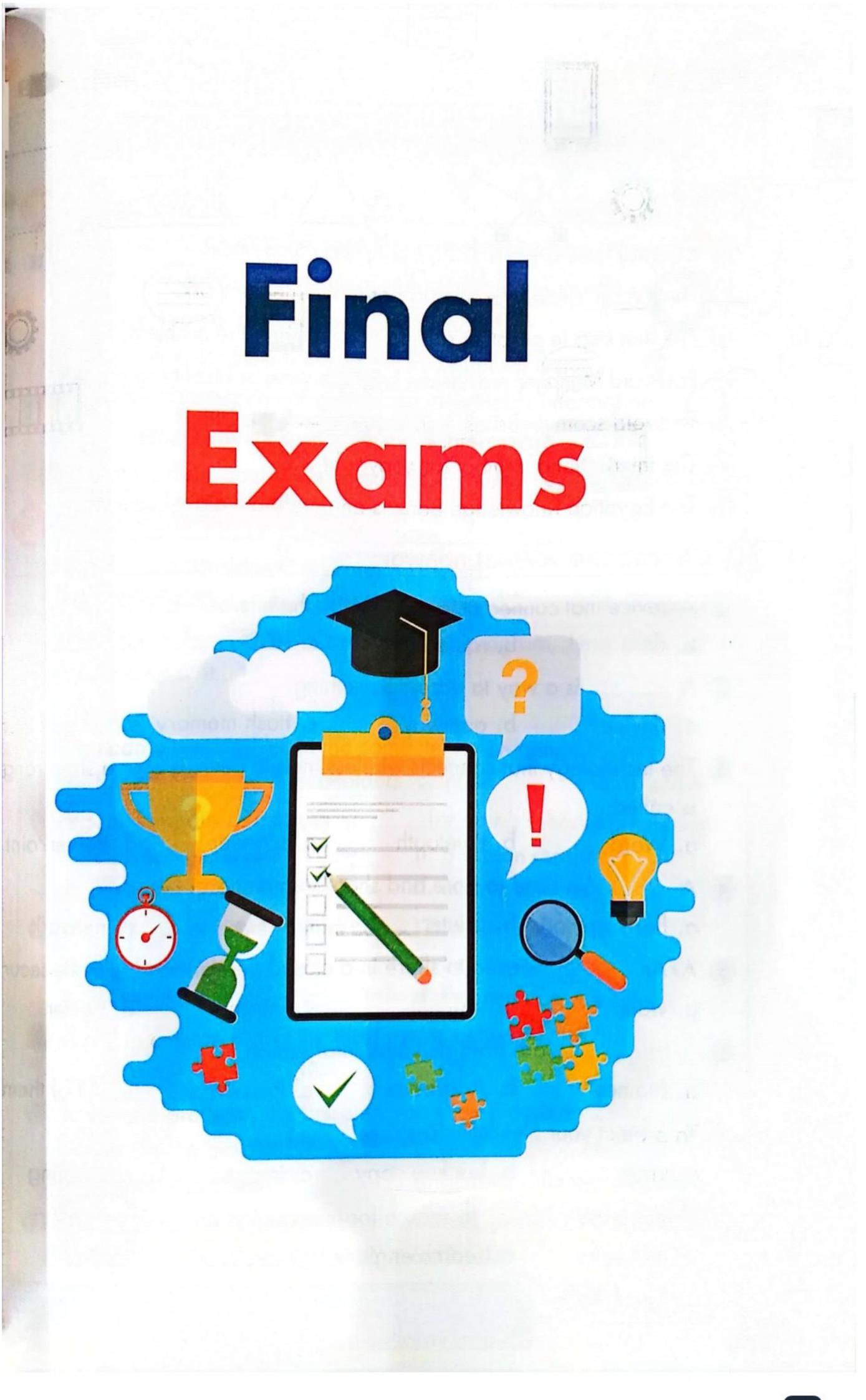
Choose the correct answer:

1	You can store files on the computer's hard disk, and they can also be				
	stored on				
d	a. a flash memo	ry	b. a processing	unit	
	c. software		d. Zoom	(القاهرة - الشروق 2024)	
2	do no	ot fall under copy	yright.		
	a. Public domair	1	b. Creative com	mons	
	c. Facts		d. All of them		
3	result	from research a	nd observation, th	ey can be proven.	
	a. Opinions	b. Lies	c. Information	d. Facts	
				(القامرة - المستقبل 2024)	
4	If you receive an	email from some	eone you don't kno	ow claiming that you	
	have won a prize				
	a. phishing		c. both a and b	d. none of them	
5				is the address of the	
1268	website.			(الدقهلية 2024)	
	a. facts	b. URL	c. PII	d. MFA	

0	REVISION on Theme 2
	Put (✓) or (X):
•	Always ask for the photographer's permission before using their photo (
	2 We should be careful when we visit new websites. (
	سكندرية - العجمي 2024)
	3 a Using the operator "NOT" in your search, the results will include bowords.
	4 The citations should be arranged in alphabetical order. (
	5 Paraphrasing can allow you to use others' writings in your own work.
	(
	Complete the missing parts using the words between the brackets:
	(Commence A halada La Commentalian

(Scareware - A hybrid backup - Sweepstakes -

	Child Helpline- Smishing)
1	are scam websites that offers you a prize that never comes.
2	refers to scam websites that contain fake warnings to trick
	you into downloading a malicious program.
3	If you are exposed to scam website, you should contact
4	is a scom text message that looks real but isn't.
5	is a safer way to back up and store files. (2024)



محافظة القاهرة – إدارة عين شمس التعليمية 🥒

(Put (✓) or (X):					
	1 External hard drive is like an HDD but much faster. (
	2 The World Wide Web is part of the internet network. (
3 The first step in problem solving is identifying the problem. (
	4 Password Manager provides at least two ways of identifying yourself.					
	5 To avoid scam websites, you should check the URL. ()					
	6 The international symbol for copyright is C.					
	7 The Egyptian Knowledge Bank is an unreliable digital source. (
2	Choose the correct answer:					
1	1 A device that connects the computer to the internet via Wi-Fi is the					
	a. data b. router c. HDD d. mouse					
	2 A is a way to access something.					
	a. device b. gateway c. flash memory d. none of them					
	3 The technology that connects wireless mobile devices over a short range					
	is called					
	a. Word b. Bluetooth c. scanner d. PowerPoint					
	4 A is used to store and share information. a. flash memory b. printer c. screen d. network					
	5 A/An is used to share in a closed network and is more secure. a. video b. scanner c. intranet d. poster					
	6 are from personal information.					
	a. Names b. Addresses c. Passwords d. All of them					
	7 To protect your files from loss, use					
	a. virus b. backup copy c. images d. stealing					
	8 You can use to search for information on the internet.					
	a. networks b. search engines c. results d. files					

محافظة القاهرة – إدارة الزيتون التعليمية 💫

1		Put (✓) or (X):			
	4 5 6	MFA provides at least of the control of the scanner is like. The internet network of the internet netw	east two ways all symbol for a hard disk done of personants is used to show the state of the sta	of identifying your copyright. rive but much faste lly identifiable information a	rself. () er. () ermation. () end data. ()
2		Choose the corr	ect answer:		
	40	a. 12345679	b. Cdf#\$@2	4 c. mnbv12	d. 20/01/2012
	2	To type a formula beginning of it. a. @	in a cell in b	Excel program, t	ype at the d.!
	3	You can organize f a. folders			
	4	Visually impaired. a. Bluetooth speake c. computer network	ers	b. a screen read d. mobile device	er
	5	a. Shopping sites c. Sweepstakes	d you the corre	b. Scareware sit	es
	6	A cell in column B o	and the third rob. 3B	ow is called c. B3	d. 5B
	7	To solve a problem, a. identify the proble c. forget the proble	lem	b. plan the prob	
	8	To search for an on a. Alt+Ctrl +Del	line research k	eyword, press	•

محافظة القاهرة – إدارة الشروق التعليمية 🧣

PL	ut (✓) or (X):					
1 \	When creating simple formulas fo	or addition or sul	otraction in	the Excel		
program, we must start the formula with the "+" sign.						
2 V	When writing your research notes	, they must be wri	tten in your	teacher's		
	style. (
3 (GHz (GigaHertz) is a unit for med	suring network s	peed.	()		
4 T	he World Wide Web (WWW) is	a closed networ	k.	()		
5 T	he owner of a creative work give	es permission to r	euse his wo	ork at any		
ti	ime and any place, this is called	"Creative Commo	ons".	()		
6 If	f there are important sayings or i	nformation in you	ır research,	put them		
99	n quotation marks " ".			()		
2 CI	hoose the correct answer:					
1 Y	ou can store files on the comput	er's hard disk, a	nd they car	also be		
	tored on					
a	. a flash memory	b. the processing	g unit			
С	. software	d. Zoom				
2 To	o use the internet in your home, y	ou need	• •			
a	. a computer or mobile phone	b. a router				
С	. a service provider	d. all the previou	US			
3 U	Jsing technology, you co	an transmit data	with your co	olleagues		
	sing mobile phones in a short rar		iternet.			
а	. networks for people of determin	nation				
b	. WhatsApp c. Bluetooth	d. Internet of Thi	ings			
4 To	o create a folder, choose the com	mand th	nen folder.			
(a. Save b. New	c. File	d. Open			

5	is one of the ways in w	which you can maintain the security of
	your information.	
	a. A router	b. Deleted data
	c. Using the Internet	d. A strong password
6		a computer; enter your credit card
	information" on one of the websit	
	a. a device purchasing site	b. a bad message
	c. real, enter your data quickly	
7	You can identify phishing message	es by the presence of
	a. bad grammar	b. misspelling
	c. requests for personal data	d. all the previous
8	It is a creative work that is not co without permission, it's	overed by copyright and may be used
	a. photos	b. videos
	c. a work whose owner died 50 y	years ago d. all the previous
9		a specific topic and find that your me information from different reliable
	a. facts	b. opinions
	c. public ownership	d. creative work
	رة المعادي التعليمية 4	محافظة القاهرة – إدار
	Put (✓) or (X):	
1	A byte is the smallest unit of measu	ure for storing data. ()
2	To connect a computer to the interne	et, you only need a router (GETAWAY).
		()
3	Check Wi-Fi signal on your device	e one of solution to browser running
	slow.	
4	You can change the title of a folder	er by choosing open from the shortcut
	menu.	()

5	(URL) represents the	website addre	SS.	(
6	To prevent the possible copy of them.	ility of losing fil	es, you should al	ways make a backup
7	Opinions result from cannot be debated of			d can be proven and
8	Examples of reliable	sources include	e the Egyptian Kr	nowledge Bank.(
	Choose the corre	ct answer:		
1	other for common pu		or things that ar	e connected to each
	a. Networks		b. Computer net	tworks
	c. LAN		d. WWW	
2	In the Excel progra	m, to sort info	rmation in alpho	abetical order, go to
	the			
	a. File	b. Open	c. Toolbar	d. Menu Bar
3	time and anywhere.		nission to reuse h	is work freely at any
	a. Permission		b. Copyright	
	c. Creative common	ns	d. Facts	
4	you bought.	am website(s)	that never send y	ou the correct items
	a. Hackers	b. Phishing	c. Shopping site	s d.Smishing
5	over short range.	king technolog	y that connects wi	reless mobile devices
	a. Internet service pb. Bluetooth	provider	b. Internet of Thid. WAN	ings
6	If you want to subtraformula is		same column A,	rows 4,5, and 6, the
	a. = A4-A5-A6		b. = A4/A5/A6	5
	c. A4-A5-A6		d. = A4+A5+46	5
7	help(s) the	visually impai	red get audio fee	dback.
	a. Braille	b Keyboard	c F-commerce	d. Screen readers

-01580 ICT Prim. 5 - First Term

🔏 محافظة القاهرة – إدارة مصر القديمة التعليمية 🔰 🏂

P	ut (✓) or (X):				
1	External hard drive is li	ke HDD but mi	uch faster.		
2 The EKB is a reliable source of knowledge.					
3	Antivirus helps you kee	p your persond	ıl data safe.	(
4	Password Manager cre	ates a unique ¡	oassword.	(
5	Copyright law doesn't p	orotect both pr	int and digital	content. (
0	hoose the correct	answer:			
7 -	A device that connects		the internet via	Wi-Fi is	
	a. the flash memory				
2	The network is	used to share	information an	nd less secure.	
	a. email	b.internet	c. intranet	d. closed	
3	To organize our files, w	e should	each folde	r.	
	a. name	b.remove	c. redo	d. print	
4	is used to sort			•	
	a. Excel		c. PowerPoint		
	means making				
	a. Copyright	•			
	tells you if one				
	a. Password Manager		c. Pin	d.Scam	
	Scam websites work to a. your personal inform		b. social med	:~	
	c. URL	dilon	d. the file pat		
	Passwords must be				
	a. weak	b. strong	c. small	d. similar	
9 .	use the internet to	· ·			
	a. Hackers			d. Programmers	
10 7	The is used to	enter pictures a	nd files on the	computer	
	a. keyboard			- 17 · · · · · · · · · · · · · · · · · ·	

محافظة الجيزة- إدارة 6 اكتوبر التعليمية 6

Put (√) or (X):				
1 You must share the bank account details online.	()			
2 The international symbol for copyright is ©.	()			
3 One terabyte = 1024 MG.				
4 Facts based on a person's opinions and experiences.	()			
5 To create a new folder, click on rename order.	()			
Complete the following sentences using the words the brackets:	between			
(MS Excel - Strong - flash memory - check the internet speed	A router)			
1 A stores information.				
2 passwords containing letters, numbers, and symbols	5.			
3 The problem solution of slowing download is				
4 enables you to connect your laptop to the internet.				
5 The program is used to perform simple formulas.				
Choose the correct answer:				
1 is a cable that transfers audio and video to and fro	m devices.			
a. An ethernet cable b. HDMI c. A router cable	d. DVD			
2 Passwords must be				
a. short b. strong c. weak	d. easy			
3 is a networking technology that connects wireless mob				
a. Bluetooth b. Intranet c. LAN Network	d. WWW			
4 The smallest unit of data is	d. Tbyte			
5 The more secure sharing in a closed network is named				
a. internet b. intranet c. WWW	d. WiFi			

محافظة الجيزة- إدارة الهرم التعليمية

Put	(√) or (X):						
1 The	e hard disk is always	smaller than the flas	h memory.	()			
2 The	The Egyptian Knowledge Bank is available for free to Egyptians. (
3 Sw	reepstakes site offers	you a prize that you	never get.	()			
4 Fac	cts are based on a pe	erson's views and ex	periences.	()			
5 Ha	ckers can send virus.			()			
6 Bro	aille method allows bl	ind people to read.		()			
7 Co	pyright does not prot	ect your works.		()			
8 Eth	ernet is more stable o	and faster than Wi-Fi	•	()			
Cho	ose the correct a	answer:					
		ng as phishing, but i	t is sent by				
-	email	b. text message					
		es from viruses or loss		3			
100	turning off the device		b. doing a ba	ckup copy			
	personal data		d. hacking				
3 The	e is used to i	nsert images and use	e them later.				
a.	microphone		b. printer				
С. 5	scanner		d. keyboard				
4	measures the numb	er of cycles that your	CPU carries out	per second.			
a.	Byte		b. Mbps				
c. (Gigabyte		d. Gigahertz				
	e to organiz						
	folder	b. file	c. document				
		used to create math					
	Word	b. Excel	c. PowerPoint				
		t connects a compute					
a.	Bluetooth	b. A monitor	c. A printer	d. A router			

ICT Prim. 5 - First Term (161)

محافظة الجيزة - إدارة الشيخ زايد التعليمية 🔰 👂

	Put (√) or (X):							
	1 A gigabyte unit of measure is equal to 1024 TeraByte.							
	2 Bluetooth speaker is an example of the Internet of Things. (
	3 The copyright for the website is usually at the top of the home page. (
	4 Password Manager will tell you if one of your passwords has been stolen.(
(Choose the correct answer:							
	1 A							
	When the Browser running slow, you can							
	 3 provides at least two ways of identifying yourself. a. FMA b. IoT c. Pll d. MFA 							
	The Uniform Resource Locator(URL) begins with the							
_	c. resource name d. password							
1	Complete the following sentences using the words between the brackets:							
	(Hyperlink - Facts - intranet - folders)							
	1 The is a private and closed network.							
	2 You can organize files in the computer by creating							
	3 are result from research and observation, they can be proven							
	4 is a word or picture you click on to take you to another web location.							
Q	Underline the right answer :							
	(E-commerce - Network) is group of people, or things that are connected to each other.							
	2 (Braille - A screen reader) is a method allows blind people to read.							
	3 (Phishing - Smishing) is sending a message via text message to steal							

162 ICT Prim. 5 - First Term

your data.

🗸 محافظة الجيزة- إدارة جنوب التعليمية 🔰 🥠

Put (√) or (x):	
 The ethernet is more stable and faster than Wi-Fi. One of possible reasons for slow downloads is the internet Sweepstakes sites that say your computer has a problem to download something. 	
4 Photos and videos are from the reliable sources.	()
S Quotes don't support your ideas and arguments.	()
Choose the correct answer:	
1networks share public information. a. Computer b. Open c. Closed	d. Intranet
 2use the internet to break into a computer system a. Hackers b. Thieves c. Teachers 	d. Students
The give(s) permission to reuse his work at any place, so we can use it freely. a. public domain b. creative c. copyright d. none of the second decision to use sources in your search a. multiple b. few c. two	commons
5 Copyright protects all the following things, except	•
a. books b. websites c. photos d.	discoveries
Choose from column (A) what suits it in column	(B):
Column (A)	Column (B)
1 It consists of devices linked to the internet	a. MFA
2 It means you provide at least two ways of identifying yourself.	b. Flash memory
3 A cable that transmits audio and video from/to devices.	c. IOT
4 It is used to store and share information.	d. Intranet
5 It is used to share in a closed network and is more secure.	e. HDMI
1 2 3 4 5	
(ICT Prim	. 5 - First Term (163)

👍 محافظة الإسكندرية - إدارة شرق التعليمية 🔃 🛂

1	Phishing message	es are free of g	rammar errors.		(
2	You can add subfolders inside the main folder to manage files. (
3	Facts are based of	on someone's v	iews.		(
4	You should limit t	he personal inf	ormation you share	online.	(
5	There is only one	way to backup	data using flash m	emory.	(
6	The smallest unit	of data is a bit			(
7	Password manag	gement software	e can steal your pas	sword.	(
	The left side of th				(
	Choose the co	rrect answe	r:			
	Hackers can sen					
	a. virus	b. antivirus	c. backup	d. prizes		
2	A gateway that o	connects a com	puter to the internet	via Wi-Fi is t	he	
	a. router	b. HDMI	c. ethernet cable	d. ethernet	port	
3	To perform simpl	e formulas, use				
	a. PowerPoint	b. Excel	c. Word	d. scanner		
4	Copyright protec	ts all the follow	ing, except			
	a. public domair	s b. websites	c. books	d. images		
5	The scam website	es that say you	r computer has a pr	oblem are		
	a. sweepstakes		b. scareware			
	c. fake online sh		d. Child Helpline			
6			ng it with a phone o			
	a. folder	b. printer		d. flash me	emory	
7			by typing			
	a. the URL	b. file path	c. resource name	d. your na	me	

محافظة الإسكندرية - إدارة وسط التعليمية

	Put (✓) or (X):
(1)	The internet is a network that connects computers from all around the world.
(2	A bit is the smallest unit of data on your computer.
(3)	An external hard disk drive is used to back up all the photos you take. (
4	All information from the internet is true and trusted.
5	You must type (=) to create a formula in Excel.
6	You can't add a subfolder inside a main folder to manage files. (
7	Files are stored by using flash memory.
8	To keep your data safe, use anti-virus programs on all your devices. (
9	The first step to solve the problem is to identify the problem. ()
10	The best way to collect information is by getting it from Facebook. (
0	Choose the correct answer:
1	use internet to break into your computer to steal your information.
	a. Programmers b. Hackers c. Thieves d. None of them
2	To create a new folder, select from shortcut menu.
	a. Copy b. Paste c. New d. View
3	The consists of household devices that are connected to Wi-Fi.
	a. Bluetooth b. Internet
	c. Internet of Things d. All of them
4	is a networking technology that connects wireless mobile
	devices.
	a. Bluetooth b. Ethernet cable c. A router d. None of them
50	a. MS Word b. MS Excel
	c. MS PowerPoint d. None of them
	C. MS FOWEIT OITH

محافظة الإسكندرية - إدارة العجمي التعليمية (12 ﴿

F	Put (✓) or (X):			
1	To create a folder,	choose New f	from the list.	
2	Copyright can't pr	otect creators'	work.	
3	Identifying the prob	olem is the last s	step in solving comp	outer problems. (
4	The updates includ	de changes tha	ıt keep your data s	safe. (
	We should be care			
	Choose the corr	ect answer		
1	cable the			
-	a. Ethernet port			e d. A gateway
2	is a group of	people conne	cted to each other	for common purpose
	a. Network		c. Internet	d. A router
3	based on	someone's view	ws and experiences	they can't be prover
	a. Facts	b. Source	c. Experiments	d. Opinions
4	To create a simple	formula use th	ne si	gn.
	a. =	b. ()	C. " "	d. #
5	Phishing is sending	g a message v	ia	
	a. email		b. social media	application
	c. all of them		d. none of them	
	4.6			
	تعليمية [3]	ة منتزه اول اا	الإسكندرية - إدار	محافظة
ŀ	Put (√) or (X):			
1	The main folder co	ontains sub-fold	ders and files.	
2	The Egyptian con intellectual proper		ms that the state	protects all types (
3	Facts are based proven.	on someone's	views and exper	riences and can't b

4	Some people use photographs that	were taken by ot	hers without asking
470	their permission.		
5	Smishing is sending a scam messon email.	age via text mess	sage instead of an ()
6	Password Manager creates strong p	passwords for eac	h of your accounts.
			()
7	A reliable source contains misspelling	ngs or bad gram	mar. ()
8	A permanent hyperlink, a highlighte	ed word, or a pic	ture you click on to
-	take you to another web location.		()
	Choose the correct answer:		
7			·
1	There are many ways hackers can g	get your passwor	d one way of them
	is called		
	a. print password b. phishing	•	
2	Checking from avoiding yo		No. of the second secon
	a. email b. password		d. facebook
3	The international symbol for copyrig	ght is	
	a. C b. G	c. ©	d. R
4	A device that connects a computer to	to the internet via	Wifi is the
	a. ethernet port b. router c	c. printer	d. etherent cable
5	A school's computer lab could have	·	
	a. open computer network	o. WWW	
	c. loT	d. closed compute	r network
6	Photographers can protect their we	ork from copyrig	ht infringement in
	several ways, such as		
	a. save photos on the mobile		
	b. place a watermark on their photo		
	c. share it with high resolution	. none of them	
7	When searching for information, firs	st	
		o. analyze inform	
	c. organizing work	discuss solution	s

محافظة الإسكندرية - إدارة المنتزه ثان التعليمية 🕠 🚺

J	Put (\(\sigma\)) or (\(\times\):					
		Password management software is used to create strong passwords.				
1		Facts are based on someone's views and experience.				
		All websites are scam sites, includ	·			
		The hard disk has more space that				
	5	The Egyptian Knowledge Bank is a register on the site.	available for free to all Egyptians who			
	6	Antivirus software must be installed	d on your devices. ()			
	7	Bit is the smallest unit of data on a	storage device.			
2		Choose the correct answer:				
		Hatem is visually impaired, so he	does schoolwork online using			
		a. printer	b. screen readers			
	9	c. scanner	d. speaker			
	2	The is used to enter in				
	7		c. keyboard d. QR code			
	3	prize.	someone says that you have won a			
		a. Password b. Phishing	c. Internet d. PII			
	4	To create a back up form the files,	use			
		a. flash Memory	b. external hard drive			
		c. none of them	d. all of them			
	5	To solve the problem of slowing do	own your computer,			
		a. update apps	b. turn off the device			
		c. delete unwanted app	d. all of them			
	6	Uniform Resource Locator (URL) sta				
		a. protocol	b. resource name			
		c. file path	d. MFA			
	7	To create a folder, chose	이 그리고 있으는 이 이 모든 이 반응이 되고 있었습니다. 그리고 이렇다			
		a. Open b. New	c. Copy d. Rename			
	8	If you fall victim to a scam website				
		a. report it	b. give your personal data			
		c. give your parents data	d. restart your device			

محافظة القليوبية

!	Put (√) or (x):					
1	A byte is the smallest unit of measure for storing data on storage units. (
2	There is an intellectual protection law.					
3	Password manage	rs create unique	e passwords.	()		
4	The internet is part	of the World V	Vide Web (WWW	/). ()		
5	The internet is used	to share in a cl	osed network and i	s more secure.(
6	The rows in MS Ex	cel are labeled	with letters.	()		
7	Both hardware and	l flash memory	are used for the sar	ne purpose. ()		
8	The ethernet is mor	re stable and fo	ster than Wi-Fi.	()		
	Choose the corr	ect answer:				
1	Passwords must be	for ed	ach website you re	gister on.		
	a. the same					
2	You can check web	sites by the	which is the add	dress of the website.		
	a. PII	b. URL	c. MFA	d. loT		
3	Smishing is the sar					
de	a. Facebook			d. all of them		
4	To keep your data					
	a. browser					
5	consists o	f devices linked	to the internet via			
	a. IoT	b. DSL	c. PII	d. Bluetooth		
6	Scam websites wo	rk to obtain				
	a. URL		b. your computer			
	c. your personal in	formation	d. none of them			
7	Sharing information	n via the inter	rnet is considered	than the		
	internet.					
	a. more unreliable	b. less secure	c. more secure	d. more private		
				CT Prim. 5 - First Term 169		

محافظة الدقهلية – إدارة بلقاس التعليمية

Complete the following sentences using the	e words between
the brackets:	
(Paraphrasing - decide on a topic - images - bit -	alphabetical order)
1 The citations should be in	
2 To search, the first step is to	
3 shows respect to the author.	
4 A is the smallest unit to measure data store	
5 Watching helps you get information better	than reading.
Put (√) or (x):	
1 The protocol shows who owns the site.	()
2 Bluetooth works over a long range.	()
3 HDMI transmits audio and video to/from devices.	()
4 Phishing messages are free of grammar errors.	()
5 Multi-factor authentication provides at least two ways	s to identify yourself.
	()
Choose the correct answer:	
1 When a computer slows down on opening an app,	
 a. check for software update b. restart the rout 	er
c. check the Wi-Fi d. none of them	
2 your device regularly keeps your data safe	
a. Updating b. Uploading c. Restarting	
3 result from research and observation; they	
a. Opinions b. Lies c. Errors	d. Facts
4 offer(s) you a prize that you never get. a. Online shopping sites b. scareware	
c. Sweepstakes d. MFA	
5 The intranet is network.	
a. a closed b. an open c. WWW	d. a public

O 1700 ICT Prim. 5 - First Term

محافظة أسيوط

	Put (✓) or (X):				
1	Braille makes it mo	ore difficult to read	for people of o	determination.()
2	A digital washing machine is an example of the Internet of Things.(
3	The internet is used	d to share over the	web and is mo	ore secure. ()
4	A school's comput	er lab could have i	ts own closed i	network. ()
5	A bit is the smalles	st unit of measurem	ent for storing	data. ()
6	Strong passwords	contain letters and	numbers only.	()
	An antivirus helps			. ()
40	Password manage			()
	Choose the cor	ect answer			
5/		ESICTE CATELOGICA	ا د داد داد	l. online	
1	The visually impai a. screen readers	rea can use	b. mobile dev		
	c. Bluetooth speak	ers	d. none of the		
9	is a prog				
	a. Word	b. Excel		d. PowerPoint	+
3	To add any two nu				
	a. quotation" "	b. equal =		d. subtraction	1000
4	The World Wide	www) is tl			
	a. all	b. not related to		d. none of the	em
5	We use t	o measure the spee	d of a network		
	a. Gb	b. Gtlz	c. Mbps	d. terabyte	
6	To write the word '	apple", you need	to repre	sent it in a com	puter
	system.				
	a. 5 bits	b. 8 bits	c. 5 bytes	d. 8 bytes	
7	Hackers can get y				
	a. updating	b. phishing	c. planning	d. chatting	

محافظة الإسماعيلية – إدارة شمال التعليمية

	Put (✓) or (X):			
1	A website is a gro	up of pages or	n the internet.	(
2	Fraudulent sites wor	k by arousing th	e user's enthusiasr	n and luring them.(
3	The internet speed	cannot be me	asured.	(
4	You should brows fraudulent sites.	se online with	caution becaus	se there are a lot o
5	You must not creat	e a backup co _l	py of the files to	protect them from loss
				(
	Choose the corr	ect answer:		
1	A gigabyte equals	meg	abytes.	
	a. 1025	b . 1028	c. 1024	d. 1030
2		And the second second		
				d. PowerPoint
3				
•		A 5518	237	
4				•
		•		
5				
	a. Facts			d. Data
	Complete the fol	lowing sent	ences using t	ne words hetween
			and doing t	ic words between
	(Phishing –	router - bit -	Opinions - flas	h memory)
1				
				io ine inicino.
				riences
			•	
				formation.
	1 2 3 4 5	2 Fraudulent sites work 3 The internet speed 4 You should brows fraudulent sites. 5 You must not create Choose the corr 1 A gigabyte equals a. 1025 2	1 A website is a group of pages or 2 Fraudulent sites work by arousing th 3 The internet speed cannot be med 4 You should browse online with fraudulent sites. 5 You must not create a backup con Choose the correct answer: 1 A gigabyte equals megalary and 1025 b. 1028 2 is used to prepare calculary and 200m b. Word 3 The step to solve a problar and 5 b. second 4 One of the possible reasons for an antwork connection interrupt 5 are based on the person and Facts b. Researche Complete the following sentence the brackets: (Phishing - router - bit - 1 A is a device that connection in the smallest measure is sending fake message and 5 considered the sentence is sending fake message.	1 A website is a group of pages on the internet. 2 Fraudulent sites work by arousing the user's enthusiasr. 3 The internet speed cannot be measured. 4 You should browse online with caution because fraudulent sites. 5 You must not create a backup copy of the files to Choose the correct answer: 1 A gigabyte equals

محافظة البحر الأحمر – إدارة الغردقة التعليمية

Put (√) or (X):					
1 Scam websites usually have misspelled words or bad grammar. () 2 The copyright law protects both printed and digital content. () 3 Listing your sources at the end of a research paper is not important.() 4 The intranet is used to share the information in an open network. () 5 A password manager software is used to create strong passwords.() 6 Choose the correct answer:					
1 The smallest unit					
a. bit		c. gigabyte	d. Mbps		
a. Computers	b. Networks	c. Gateways	d. Plls		
3 The cons	sists ot devices I b. IoT	inked to the interr	net via Wi-Fi. d. Bluetooth		
a. Smishing	 is sending a fake message via email or social media. a. Smishing b. Phishing c. A virus d. None of them You can go to a website by typing the in the search engine. 				
Complete the fo	llowing sent	ences using th	e words between		
	(GPS – external hard disk drive – hacker – password manager – Public domains)				
1 An is used to back up all the photos you take.					
2 You can navigate	2 You can navigate and reach different places using				
			personal information.		
4 The tells	you if one of yo	our passwords has	s been stolen online.		
5 are crea	tive works that	are not covered b	by copyrights.		

محافظة السويس

D	Put (✓) or (x):					
1	The Egyptian know	vledge Bank (EKB)	website has	a lot of	interest	ing
9	A printer can be us	ad to insort images	and save then	n for later	use.(1
					1	,
	The antivirus softwo			ice.	,)
4	A hard disk space	is smaller than a flo	ish memory.		()
5	Your name, addres	s, and date of birth	are personal	data.	()
6	The "+" symbol is t	he division sign.			()
7	We must place doci	uments, images, and	videos in the	correct fol	der. ()
8	Use different weak	passwords to keep	your data sal	fe.	()
2	Choose the corr	ect answer:				
1	Your school's comp	outer lab is a/an	networ	k.		
	a. open	b. closed	c. WAN	d. none	of them	1
2	is sending	a message via em	ail or social m	nedia that	looks r	eal
	but isn't.					
	a. Phishing	b. Hacking	c. Sharing	d. Rese	arching	
3	Kilo byte =	byte(s).				
	a. 8	b. 1	c. 1024	d. 1000)	
4	Household items ca	n be part of a netw	ork as well, t	his is call	ed	•
	a. Internet of Things	b. digital privacy	c. gateway	d. addr	ess	
5	Visually impaired p	eople use	to help them	read usin	g Braille	e.
	a. an ethernet port		b. screen re			
	c. an ethernet cable)	d. a moder	1		

6 If y	ou have the slo	ow to downloa	ad problem, poss	ible solutions	inclu	de
a.	restarting the co		b. restarting	ng the router em		
ove	er a short range		y that connects w		devid	ces
a.	Bluetooth	b. Laptop	c. LAN	d. URL		
12	التعليمية [نبرق الزقازيق	شرقية – إدارة ش	محافظة ال	7	
Put	(√) or (X):					
1 You	should limit the	e personal info	ormation you shar	e online.	()
2 Wł	en the browser i	s running slow,	you have to check	the Wi-Fi sign	al.()
3 You	must show res	pect for the au	thor by paraphra	sing the text.	()
4 The	intranet is mor	e secure and p	orivate than the in	ternet.	()
5 An	antivirus can tell	you if one of yo	ur passwords has b	een stolen onlin	ne.()
6 GH	IZ measures the	number of cy	cles your CPU car	ries out per se	econo	١.
					()
7 The	copyright law	does not prote	ect images and mu	usic.	()
8 A s	canner is used	to save image	s on the computer	to use later.	()
9 The	protocol in a l	JRL determines	s how the informa	tion is transfer	red.	
					()
10 The	• World Wide V	Veb (www) is	a part of the intra	net network.	()
Cho	ose the corr	ect answer				
-	ormation.	he internet to	break into your o	omputer to ste	eal yo	our
a.	thief	b. mentor	c. hacker	d. photogr	aphe	r
2 Li:	bert uses video	conferences	and to sh	are his discov	ers w	/ith
	collages.					

• Final Exams

			4511798994740000044417148884444718888444444444444	
3	When arranging in	formation alph	abetically in Excel	, go to the
	a. toolbar	b. cells	c. rows	d. columns
4	You must add the U	RL and the auth	or's name at the	of the notes.
	a. top	b. middle	c. end	d. small
5	are scam	websites that o	ffer you a prize the	at never comes.
	a. Online shopping	sites	b. Protocols	
	c. Scarewares		d. Sweepstakes	
6	The consis	sts of a comput	er connected to a p	orinter or a router.
	a. router	b. LAN	c. internet	d. intranet
7	results from	m research and	dobservation and	can be proven.
	a. Scanners		b. Reliable conten	it '
	c. Opinions		d. Facts	
8	The consis	sts of devices li	nked to the interne	t via Wi-Fi.
	a. IoT	b. DSL	c. router	d. WWW
9	To store and share	information, w	e use the	
	a. printer	b. scanner	c. flash memory	d. keyboard
10	is the sam	e thing as phis	hing, but it is sent	by a text message.
	a. A virus	b. Bullying	c. Facebook	d. Smishing

-0 1760 ICT Prim. 5 - First Term

محافظة الغربية – إدارة طنطا التعليمية (22)

Put (√) or (X):	
1 The EKB is a reliable source of kn	owledge. ()
	sually impaired to get audio feedback.
3 Columns in Excel are labeled with	
4 A strong password should contain	
5 Scareware websites is a type of s	cam websites. ()
Choose the correct answer:	
1 A is the smallest unit of a	data on your computer.
a. byte b. bit	c. gigabyte d. kilo byte
2 To solve a problem, the first step y	
a. plan the problem	b. scape the problem
	d. none of them
3 A/An is a hard disk drive a. external hard drive	
c. flash memory	b. DVD d. scanner
4 The international symbol for copy	
a. \$ b. ©	c. # d. @
5 The network is used to sh	nare information and is less secure.
	c. internet d. private
Complete the following sente	ences using the words between
the brackets:	
(digital camera - MFA - perman	ent hyperlink - WWW - wireless)
1 is a part of the internet n	
2 Bluetooth connects mobi	
3 We can take photos and videos o	
4 means you provide at le	ast two ways to identify yourself.
5 A is a highlighted word another web.	or picture you click on to take you to
	ICT Prim. 5 - First Term (177)

محافظة الفيوم – إدارة شرق التعليمية (23 ع

Put (√) or (X):			
1 To set a formula, we can use Exce	el. ()		
2 WAN is a wide-area network.			
3 Your password should be strong.			
4 The Egyptian Knowledge Bank is available for free to Egyptians. (
5 Gigabyte (GB) = 1024 bytes.			
6 To change the title of a folder, choose the copy command. (
7 We can't create a folder for games.			
8 We can take quick photos using our mobile phone. ()			
9 You cannot go to the site you want by typing the URL. (
10 You cannot create backup copies	10 You cannot create backup copies of files.		
Choose the correct answer:			
1 A is the smallest unit of	data on your computer.		
a. Mbps b. byte	c. bit d. GHZ		
2 The first stage of problem solving	is		
a. the internet	b. the outer		
c. defining the problem	d. none of them		
3 A is used to restore or tran	sfer files and data between computers.		
a. HDMI b. CPU	c. flash memory d. scanner		
4 is considered a strong p			
a. Ahmed 123 b. abcd 895	c. Ac#78#sd d. asd2024		
5 You can use applications	s to buy anything on the internet.		
a. Word	b. e-commerce		
c. PowerPoint	d. EKB		

محافظة المنوفية – إدارة شبين الكوم التعليمية (24 م

)	Put (✓) or (X):
1	To rename a folder, we press "New" from the shortcut menu. (
2	Smishing is sending a message via email or social media applications
	that looks real but isn't.
3	One of the possible solutions if the browser is running slowly is to make
	sure the apps on your device are up-to-date.
4	Facts are based on someone's views and experiences. They cannot be
	proven, but they can be debated. ()
	Facts and discoveries are creative works not covered by copyrights.(
6	The external hard drive is one of the tools accessories to the computer; it
	is used to save files securely and create backup copies of them. (
7	Internet of Things is a network technology that connects wireless mobiles
	over a short range to form a network to transmit data between different
	devices. ()
)	Choose the correct answer:
1	is a network made up of web pages that people can navigate and
	are part of the internet.
	a. A closed networkb. WWW c. The intranet d. LAN
2	is a unit that measures the speed of a network or internet connection.
	 a. Gigahertz (GHz) b. Megabits per second (Mbps)
	c. Megabyte d. Bit
3	Passwords can be enhanced and strengthened through multi-factor
	authentication, which offers
	a. one way to introduce yourself
	b. at least two ways to introduce yourself c. all of the them
	d. none of them

60				
Fina	Exams			
	Mohamed fell victim to one of the scam website by calling the with his father's help.	s, so	he could	report it

- a. Child Help Line
 b. General Department for Combating Internet Crimes
- c. all of the above d. none of them
- 5 In Excel, the cell D10 is the intersection of
- a. column 10 and row D b. column D and row 10
 - c. none of the above d. all of them
- 6 When writing your research, you have to
 - a. include all your sources in the list of quotes
 - b. not include the sources c. ignore the sources
 - d. none of them
- You want to access the Egyptian knowledge Bank. The URL says "https://www.ekkbb.com". What is wrong with the URL?
 - a. Protocol

b. Resource name

c. File path

d. Password

- 8 One of the scam websites that try to get your personal data is
 - a. the Egyptian Knowledge Bank
 - b. online shopping site
- c. YouTube
- d. all of them

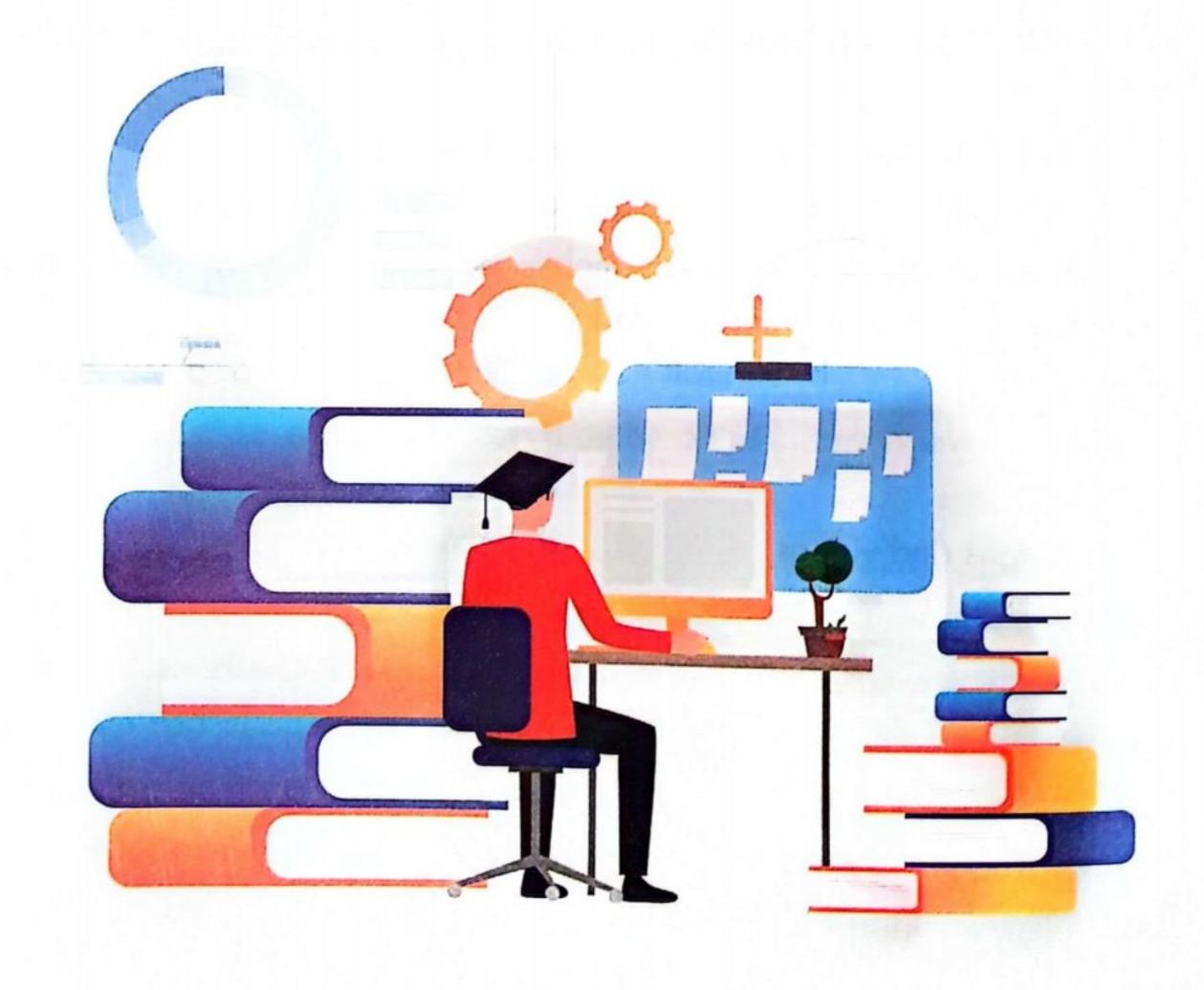
محافظة دمياط

Put (✓) or (X):

- 1 Before using copyrighted content, ask for permission to use it. (
- When doing a search, make sure the information is based on facts instead of opinions.
- 3 Sign up for a website if it asks too much personal information. (
- 4 A password management software is used to create strong passwords.(
- 5 PIN means you provide at least two ways to identify yourself. (
- 6 Rows in Excel are labeled with letters.
- 7 You can copy, cut, and delete a folder and restore it.

8 When there isn't an internet connection, it's good to restart your router.			
			()
Choose the corr	ect answer:		
1 is used to	store and trans	fer files and data be	etween computers.
a. HDMI	b. CPU	c. Flash memory	d. Router
2 The device that a	connects compu	ters to the internet	via Wi-Fi is the
a. HDMI	b. flash memory	c. CPU	d. router
3 1 gigabyte equals	······· •		
a. 1024 kilobytes	b. 1024 bits	c. 1024 megabyte	s d . 1024 bytes
4 The is a r	network used to s	share information a	nd is more secure.
a. internet	b. intranet	c. email	d. none of them
The connection of a washing machine to an application on the mobile is called			
a. computer netwo	orks	b. screen readers	
c. Internet of Thing	gs	d. mobile develop	ment
6 The technology the range to form a new			ssly over a short
a. a router			d. a scanner
7 Creative works the			
a. websites		b. public domains	
c. images and vid	eos	d. books	

ICT Prim. 5 - First Term (181)



Theme 1

Lesson 1

- 3 a 1 d 2 b 4 a 6 d 7 b 8 a 5 b
 - 9 b 10 d 11 c 12 a
 - 14 b 13 d 15 b
 - 3 X 4 X 2 /
 - 7 X 8 X 6 X 5
 - 10 X 11 / 12 / 9 X
 - 15 / 16 X 14 / 13 X
 - 19 / 18 🗸 20 / 17 X
 - 21 /
- virtual meetings 2 spreadsheet
 - 3 formal 4 archaeologist
 - 5 Madrasitna channel
- 1 PowerPoint 2 Excel
 - 3 formally
 - 4 virtual meetings 5 Zoom
- 4 b (A) 1 c 2 a 3 d
 - (B) 1 c 4 a 2 d 3 b

Lesson 2

- 1 a 4 b 3 a 2 c
 - 5 a 7 d 6 d 9 b 11 c 10 a
 - 12 c 16 b 13 c 15 c 14 b
 - 17 c
- 1 x 41 2 X 3 X 5 1 8 X 6 X 71
 - 9/ 12 / 11 X 10 /

1 flash memory

13 X

17 X

- 2 Ethernet cable
 - 3 Router 4 HDMI

14 /

18 /

4 b 3 d (A) 1 e (B) 1 b 2 c 3 a

15 /

16 X

Test yourself (lessons 1&2)

- 2 X 3 X 4 / 8 X 61 7 X 5 /
- 4 d 1 a 2 d 3 c 6 b 7 c 5 c

Lesson 3

- 4 d 3 b 2 b
 - 6 b 5 c 7 d 8 a
 - 12 a 10 b 11 b 9 a
 - 16 a 13 a 14 c 15 c
 - 18 b 17 b
- 3 X 4 X 2 / 1 X
 - 8 / 61 5 1 7 1 12 / 11 X 10 / 9 X
 - 16 / 13 X 15 / 14 X
 - 17 /

8 b

- 2 LAN 1 Router 4 ISP 3 WWW
 - 6 DSL 5 EKB
- 4 a 3 b 2 d

Internet

Open computer network

Share information

Closed computer network

4 d

8 a

12 b

16 c

4 /

8 /

12 X

4 b

4 d

Intranet

Lesson 4

1 b 5 C

9 a

13 b

- 2 d
 - 6 b
- 7 b 10 d
 - 11 c

15 a

3 X

7 X

3 b

- 14 c
- 2 /
- 6 X 5 X
 - 10 /

 - 2 d
- 11 X
- 3 a

Test yourself (lessons 3&4)

🚯 🕕 c

2 a

6 a

- 3 c
- 7 b

5 X

5 d

- 2 X
- 3 / 7 X
- 4 / 8 /

Lesson 5

- 1
- 2 a
- 3 d
- 7 a
- 4 b 8 c

9 a

5 d

d

- 6 d 10 a
- 11 b
- 12 d

- 13 a
- 2 /
- 3 X
- 5
- 6 X

14 /

- 7 1
- 10 /
 - 11 /
- 12 /

4 /

8 /

- e-a-b-d-c
- - 1 c

13 /

- 2 b
- 3 a

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Lesson 6

- 2 c
- 3 a
- 4 d

4 1

8 /

- 6 c 5 a
- 7 d

3 /

- 8 c
- 10 a 9 d

5 X

9 X

2 X

10 /

- 61
 - 7 1
 - 12 X 11 X
- e-a-b-d-c
- 1 Flash memory
 - 2 digital camera scanner
 - 3 Libraries computers
 - QR codes
 - 2 d 1 c
- 3 a
- - 4 b

4 a

Test yourself (lessons 5&6)

5 a

2 c

6 a

- 3 d
- 7 c
- 2 X 1 X 5 1 6 X
- 3 X
 - 7 1
- 4 X 8 /

4 c

4 1

October Exam

5 1

- 2 c
- 3 d
- 5 c 6 d 7 d
- 1 x
 - 2 X 6 X
- 3 / 7 1

Lesson 7

- 1 b
- 2 a
- 3 d
- 5 a
- 6 a
- 7 a
- 8 b

4 a

8 X

- 7 X
- 10 X
-) b d c a

Lesson 8

-) (1) a
- 2 d
- 3 a
- 4 b

- 5 b
- 6 a
- 7 d
- 8 b

- 9 d
- 10 b
- 11) a
- 12 c

- 13 C
- 14 a
- 15 b
- 16 a

- 2 /
- 3 X
- 4 1

- 5 X
- 61
- 7 1
- 8 X

- 9 X
- 10 X
- 11) /
- 1 Sort
- 2 division
- 3 addition
- 4 numbers letters
- 1 c
- 2 e
- 3 a
- 4 f

- 5 b
- 6 d

Test yourself (lessons 7&8)

- 2 b
- 3 b
- 4 b

5 a

5 X

6 b

6 X

- 7 b
- 1 x 2 X
- - 3 X
 - 7 X
- 8 X

4 X

Model Exam

- 1 d
- 2 c
- 4 a

- 5 .a
- 1 /
- 3 X
- 4 X

- 5 X
- 1) e 2 a 5 d
- 3 c
- 4 b

- 3 b 2 c
 - 5 a
- 7 a

Model Exam 2

- 6 c
- 2 /
- 3 /
- 5 X 61
- 71
- 8 /

4 X

4 a

Model Exam 3

- 2 b
- 3 d
- 4 c

1 X

- 2/
- 3 X
- 41

- 5 X
- 1 Bluetooth
- 2 intranet
- 3 Network
- 4 DSL
- 5 Braille

Model Exam 4

- 1 b
- (2) a

2

- 3 a
- 4 d

4 X

4 c

- 5 d

5 X

- (2) d
- 3 b

3 /

5 a

1 e

Model Exam 5

- (1) d
- 2 a
- 3 c
- (4) d

e-commerce

41

- 5) a
- - 2 X
- 3 /
- 5 1
- 1) flash memory

 - **HDMI**
- 4 Mbps
- router

ICT Prim. 5 - First Term (185)

Theme 2

Lesson 1

- 3 a 2 c 4 a 6 c 7 a 8 a
 - 11 b 12 a 10 b
 - 13 d 14 b 15 b 16 a
- 4 1 2 / 3 X 5 X 7 X 8 X 61
 - 12 X 10 / 11 / 13 /
- Copyright infringement
 - watermark
 - Low-resolution photos
 - high-resolution photos
- 1 ecologist 2 A smartphone
 - 4 GPS 3 hard drive
 - 5 mobile apps

Lesson 2

- 3 d 4 b 2 d a
 - 8 b 6 d 7 c 5 a
 - 12 d 11) b 10 c a
 - 15 b 13 b 14 d
- 41 2 / 3 X 8 X 6 X 71
 - 11 X 12 X 10 / 15 X 16 X 14 / 13 /
- **Antivirus**
 - Personal information
 - 3 password

01860 ICT Prim. 5 - First Term

- flash memory hard disk
- Answer by yourself.

(lessons 1&2) Test yourself

- 4 b 7 d 6 d d
- 4 1 3 / 1 X 2 / 8 / 7 X 6 1 5 X

Lesson 3

- 3 b 4 a 1 b 7 b 8 a 6 a 5 d 11 d 12 d 10 d 15 a
- 13 c 14 d 3 X 4 X 2 X 6 X 7 1 8 X 5 X 10 / 12 X

 - 16 / 15 / 13 / 14 /
- 1 Password Manager
 - 2 MFA
- 3 Phishing
- 4 Smishing
- Answer by yourself.

November Exam

- 4 d 3 b 5 b 6 a 7 d
- 1 / 2 X 3 X 4 1 5 X 61 7 1

8 X

Lesson 4

- 1 b 2 c 3 d 4 d 5 c 6 c 7 a 8 b 9 a 10 a 11 d 12 b
 - 13 d 14 b 15 b
- 1 1 2 1 3 1 4 X
 - 5 \ 6 \ 7 \ 8 \ \ 9 \ \ 10 \ X \ 11 \ X \ 12 \ \
- Mrong resource name
 - 2 Wrong file path
- 1 c 2 a 3 b

Test yourself (lessons 3&4)

- 1 a 2 d 3 a 4 b 5 b 6 c 7 c
- 1 / 2 x 3 x 4 /
 - 5 / 6 / 7 / 8 /

Lesson 5

- 1 a 2 d 3 a 4 d
 - 5 a 6 b 7 a 8 d
 - 9 d 10 d 11 d 12 b
 - 13 d 14 d 15 c 16 c
- 1 X 2 X 3 / 4 /
 - 5 / 6 x 7 x 8 /
 - 9 / 10 / 11 x 12 /
 - 13 x 14 x 15 x 16 x
- Copyrighted: 1 − 2 − 4 − 5

Not copyrighted: 3 - 6

Videos – images

3 licenses

- 2 Facts discoveries
- 1 c 2 a 3 b

Lesson 6

4 bottom

- 1 b 2 d 3 a 4 d
 - 5 b 6 a 7 d 8 b
 - 9 a 10 b 11 d
- 1 X 2 X 3 / 4 /
 - 5 / 6 / 7 x 8 /
 - 9 x 10 x 11 / 12 /
 - 13 X 14 X 15 / 16 /
- 1 Computers
 2 Facts
 - 3 Opinions 4 URL
 - 5 picture
- Answer by yourself.

Test yourself (lessons 5&6)

- 1 d 2 b 3 b 4 b
 - 5 d 6 b 7 a
- 1 x 2 / 3 / 4 /
 - 5 / 6 / 7 X 8 /

Lesson 7

- 1 a 2 b 3 d 4 b
 - 5 c 6 d 7 b 8 b
 - 9 c 10 b 11 c
- 1 / 2 / 3 / 4 X
 - 5 / 6 / 7 X 8 X
- 1 AND 2 OR 3 Not 4 *

ICT Prim. 5 - First Term (187)

Lesson ®

- 1 a 2 a 3 d 4 a
 - 5 a 6 a 7 b 8 d
- 9 a 10 c 11 a 12 b
- () 1 / 2 / 3 / 4 X
 - 5 \ 6 \ 7 \ 8 \ X 9 \ 10 \ 11 \ 12 \ X
 - 13 X
- 1 quotation marks 2 URL
 - 3 alphabetical order
 - 4 Paraphrasing 5 Taking notes

Test yourself (lessons 7&8)

- 1 d 2 b 3 a 4 c
 5 d 6 a 7 c
- 1 / 2 x 3 x 4 / 5 x 6 / 7 / 8 /

Model Exam

- 1 c 2 d 3 a 4 b
 5 b
- 1 Hard disk drive
 - 2 GPS
- 3 Hackers
- 4 Password manager
- 5 Public domain

Model Exam 2

- 1 b 2 d 3 a 4 d 5 a
 - 188 ICT Prim. 5 First Term

- () 1 / 2 x 3 / 4 /
- 1 Facts2 Public domain3 Opinions
 - 4 creative commons
 - 5 " "

Model Exam 3

- 1 a 2 a 3 d 4 c
 - 5 b
- 1 x 2 x 3 x 4 \sqrt{5} x
- 1 d 2 e 3 b 4 c
 5 a

Model Exam 4

- 1 a 2 b 3 d 4 b
 - 5 b
- ② 1 x 2 √ 3 √ 4 √
- 3 1 c 2 d 3 a 4 e
 - 1 c 2 d 3 a 5 b

Model Exam 5

- 1 a 2 d 3 d 4 a
 5 b
- ② 1 / 2 / 3 x 4 /
- Sweepstakes
 Scareware
 Child Helpline
 Smishing
 - 5 A hybrid backup

Model Exams Answers

محافظة القاهرة – إدارة عين شمس التعليمية

- 4 X 3 /
 - 6 X 7 X
- 3 b 2 b 4 a 1 b
- 8 b 7 b 5 6 d C

محافظة القاهرة – إدارة الزيتون التعليمية

- 4 X 3 X 7 X
- 4 b 3 d 2 c
 - 8 c 6 c 7 a 5 a

محافظة القاهرة – إدارة الشروق التعليمية

- 3 X 4 X 2 X
 - 61 5 1
- 3 c 4 b a 2 d 8 c 7 d 5 d 6 d
 - 9 a

محافظة القاهرة – إدارة المعادى التعليمية

- 1 1 X 2 X 4 X 3
 - 5 1 8 / 7 X 61
- 1 a 4 c 3 c 2 c
 - 5 c 6 a 7 d

محافظة القاهرة – إدارة مصر القديمة التعليمية

- - 5 X
- 0 b 3 2 b 4 a a 5 b 8 b 6 a 7 a
 - 9 a 10 b

محافظة الجيزة- إدارة ٦ اكتوبر التعليمية

Model Allsweis

- 4 X
 - 5 X
- 1) flash memory 2 Strong
 - 3 check internet speed
 - 5 MS Excel A Router
- 3 4 b 2 b 3 a 1 b 5 b

محافظة الجيزة- إدارة الهرم التعليمية

- 3 / 4 X 8 / 7 X
- 2 b 3 c 4 d 1 b
 - 6 b 7 d 5 a

محافظة الجيزة - إدارة الشيخ زايد التعليمية

- 2 c 3 d 1 b 4 b
- 2 folders 1 intranet
 - 4 Hyperlink 3 Facts
- 2 Braille 1 Network
 - Smishing

محافظة الجيزة- إدارة جنوب التعليمية 9

- 3 X 5 X
- 3 b 4 a 2 a 1 b
- 5 d
- 3 e 4 b 2 a 1 c 5 d

ICT Prim. 5 - First Term (189)

محافظة الإسكندرية - إدارة شرق التعليمية 10

- 3 X 4 /
 - 8 / 5 X 61 7 X
- 2 a 4 a 3 b 1 a 5 b 6 c 7 a

محافظة الإسكندرية - إدارة وسط التعليمية

- 3 4 X 6 X 7 1 5 8 / 10 X
- 3 c 2 c 4 a 1 b 5 c

محافظة الإسكندرية - إدارة العجمى التعليمية

- 1 41 3 X 2 X 5
- 4 a 2 a 3 d 5 c

محافظة الإسكندرية - إدارة منتزه أول التعليمية

- 4 X 1 3 X 8 / 7 X 5 6
- 4 b 3 c 2 c b 7 a 6 b 5 d

محافظة الإسكندرية - إدارة المنتزه ثان التعليمية

- 4 1 3 X 2 X 7 1 61 5
 - 3 b 4 d 2 a 8 a 7 b 6 a 5 d

محافظة القليوبية

15 3 / 1 X

- 7 X 5 X 6 X
 - 8 /

4 X

- 5 a

7 b

محافظة الدقهلية – إدارة بلقاس التعليمية 16

- alphabetical order
 - decide on a topic
 - 3 Paraphrasing
 - images 4 bit
- 3 4 X 2 X 1 X 5 1
- 3 d 4 c 2 a 1) a 5 a

محافظة أسيوط 17

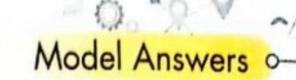
- 3 X 4 1 2 71 8 1 6 X 5 1
 - 4 c 3 b 2 b
 - 7 b 5 c 6 c

محافظة الإسماعيلية- إدارة شمال التعليمية 18

- 2 / 3 X 4 1 5 X
- 2 c 3 a 4 c
- 5 c
- 1 router 2 bit 4 Phishing 3 Opinions
 - 5 flash memory

محافظة البحر الأحمر – إدارة الغردقة التعليمية

- 4 X 2 3 X 5 /
- 2 b 1 a 4 b 3 b 5 b



- External hard disk drive
 - 2 GPS
- 3 Hacker
- 4 password manager
- 5 Public domains

0		محافظة السويس
ľU	The second second second second	and the part man happy a long and the party of

- 1 1
- 2 X
- 3 /
- 4 X

- 5 / 6 X
- 1
- 8 X

- 1 b 2 a
- 3 c
- **4** a
- 5 b 6 d
- 7 a

محافظة الشرقية- إدارة شرق الزقازيق التعليمية 1

- 1 / 2
- 3 /
- 41

- 5 X 6 1
- 7 X
- 8 1
- 9 / 10 X
- **1** 0
- 2 d
- 3 a
- **4** a

- 5 d 6 b
 -)
- 7 d
- 8 a

9 c 10 d

محافظة الغربية- إدارة طنطا التعليمية

- **1** 1 /
- 2 /
- 3 X
- 4 X

- 5 /
- 1 b 5 c
- 2 c
 - С
- 3 a
- 4 b

- (1) WWW
- 2 wireless
- 3 digital camera
- MFA
- 5 permanent hyperlink

محافظة الفيوم- إدارة شرق التعليمية

- 1 1 /
- 2/
- 3 /
- 4
- 5 x 6 x
- 7 X
- 8 /
- 9 X 10 X
- 2 1 c
- 2 c
- 3 c
- 4 c

5 b

محافظة المنوفية – إدارة شبين الكوم التعليمية

1 x 2

5 b

- 2 X
- 3
- 4 x
- 5 / 6 / 7 x
 - b 2 b
- 3 b
 - h
- 8 b

4 c

محافظة دمياط

6 a

- 1 1
- 2 1
- 3 X
- 4

- 5 x
 - 6 X
- 7 1
- 8 1

4 b

- (2) (1) c(5) c
- 2 d 6 c
- 3 c
- 7 b

